Exhibit 1

COPY

July 12, 2001

Deliver Via Courier to Mellon Bank
Ms. Magalie Roman Salas
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: XM Radio Inc.
Request for Special Temporary Authority to
Operate Digital Audio Radio Service Terrestrial Repeaters

Dear Ms. Salas:

XM Radio Inc. ("XM Radio"), one of the two Digital Audio Radio Service ("DARS") licensees in the United States, pursuant to Section 25.120 of the Commission's rules,[1] hereby requests a 180-day Special Temporary Authority ("STA") to operate DARS terrestrial repeaters in its licensed band in the markets listed in Exhibit A. XM Radio has been operating repeaters in these markets for several months pursuant to its nationwide experimental license and now seeks to use its repeaters to provide service to consumers. The repeaters will be operated along with XM Radio's two in-orbit satellites.

Consistent with the Commission's March 1997 Further Notice of Proposed Rulemaking, XM Radio will operate "gap-filler" terrestrial repeaters as part of its DARS network to overcome the effects of signal blockage and multipath interference.[2] The operation of terrestrial repeaters is a critical part of XM Radio's system. To date, however, the Commission has not authorized the permanent operation of DARS terrestrial repeaters.

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[1] 47 C.F.R. § 25.120.

[2] *See* Report and Order, Memorandum Opinion and Order, and Further Notice of Proposed Rulemaking, Establishment of Rules and Policies for the Digital Audio Radio Satellite Service in the 2310-2360 MHz Frequency Band, 12 FCC Rcd 5754 (1997) ("*DARS Order and FNPRM*").

XM Radio has successfully launched its two satellites and is prepared to begin offering DARS to the public. First impressions are critical with consumers. Grant of this STA will serve the public interest by ensuring that the public enjoys the full benefit of DARS at the earliest possible date.[3]

XM Radio has been conducting tests of terrestrial repeater transmitter facilities in metropolitan areas throughout the United States pursuant to a national experimental license granted by the Experimental Licensing Branch of the Office of Engineering and Technology. *See* note 1. XM Radio has not received any complaints related to interference during these tests.

Attached as Exhibit A is a list of the markets in which XM Radio seeks to operate terrestrial repeaters pursuant to this STA. XM Radio has also included the following information for each of the high power (EIRP between greater than 10 kW and 40 kW) and medium power (EIRP between greater than 2 kW and 10 kW) repeaters it seeks to operate in each of these markets: (1) geographic coordinates; (2) antenna type; (3) antenna orientation; (4) antenna radiation pattern vertical downtilt; (5) total EIRP; and (6) Height Above Ground Level (AGL).[4] Attached as Exhibit B are antenna specification sheets for each of the antenna types listed in Exhibit A.

XM Radio certifies that the out-of-band emissions of these terrestrial repeaters will be attenuated below the transmitted EIRP by not less than 75 +10 log (P). XM Radio also certifies that its terrestrial repeaters will not be used to originate programming or transmit signals other than those received from its satellites. In addition, XM Radio's terrestrial repeaters will not be used to extend satellite DARS coverage outside of the satellite systems' authorized service area.

XM Radio acknowledges that operations pursuant to this STA shall not cause interference to any other lawfully operated radiocommunication station and that it must cease operations of a repeater immediately upon notification of such interference.

XM Radio agrees that operation of terrestrial repeaters pursuant to an STA is without prejudice to whatever action the Commission may take in the pending terrestrial repeater rulemaking.

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[3]The Commission has recognized the many public interest benefits DARS provides, such as (i) high quality radio signals to listeners who currently receive few terrestrial radio signals; (ii) radio service for the long-distance motoring public and remote areas; (iii) more diverse program formats, including educational programming, rural programming, ethnic programming, religious programming, and specialized musical programming. *See DARS Order and FNPRM* ¶¶ 10-17.

[4]XM Radio has not included this information for the low power repeaters (*i.e.*, EIRP of 2 kW or less) it seeks to operate pursuant to this STA.

In accordance with Part 17 of the Commission's Rules, XM Radio has or will notify the Federal Aviation Administration ("FAA") of antenna structures for which such notification is required. 47 C.F.R. Part 17. Notification has not been made for those antennas exempt pursuant to Section 17.14. 47 C.F.R. § 17.14.

XM Radio hereby certifies that operation of these repeaters will not have a significant environmental effect, as defined by Sections 1.1301 through 1.1319 of the Commission's Rules. 47 C.F.R. §§ 1.1301, 1319.

XM Radio hereby certifies that no party to this application is subject to a denial of Federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 853(a).

The filing fee of One Hundred Forty-five Dollars ($145.00) is based on the applicable fee for a blanket license of mobile earth stations. The Commission has proposed to authorize operation of DARS terrestrial repeaters using the same blanket authorization process it uses for mobile earth stations.[5]

Please direct any questions regarding this matter to the undersigned.

Very truly yours,

Lon C. Levin
Senior Vice President

[5] *See DARS Order and FNPRM* ¶ 142.

cc: Rosalee Chiara
Ron Netro
John O'Connor
Rockie Patterson
Ron Repasi

Exhibit A

Attached is the following information for each of XM Radio's high power (EIRP between greater than 10 kW and 40 kW) and medium power (EIRP between greater than 2 kW and 10 kW) terrestrial repeaters it seeks to operate pursuant to this STA in each of the markets listed below:

(1) geographic coordinates;
(2) antenna type;
(3) antenna orientation;
(4) antenna radiation pattern vertical downtilt;
(5) total EIRP; and
(6) Height Above Ground Level (AGL).

Total number of high power: 168
Total number of medium power: 610

Market (abbreviation):

1. Akron (AKR)
2. Albany (ALB)
3. Albuquerque (ALB)
4. Atlanta (ATL)
5. Austin (AUS)
6. Birmingham (BIR)
7. Boston (BOS)
8. Buffalo (BUF)
9. Charlotte (CHA)
10. Chicago (CHI)
11. Cincinnati (CIN)
12. Cleveland (CLE)
13. Columbus (COL)
14. Dayton (DAY)
15. Denver (DEN)
16. Detroit (DET)
17. Dallas/Ft. Worth (DFW)
18. Greensboro (GRE)
19. Greenville, South Carolina (only low power)
20. Harrisburg (HAB)
21. Hartford (HAR)
22. Houston (HOU)
23. Indianapolis (IND)
24. Jacksonville (JAC)
25. Kansas City (KAC)
26. Knoxville (KNO)

27. Los Angeles (LAX)
28. Louisville (LOU)
29. Las Vegas (LVX)
30. Memphis (MEM)
31. Miami (MIA)
32. Milwaukee (MIL)
33. Minneapolis (MIN)
34. Monterey (MON)
35. Nashville (NAS)
36. Norfolk (NOR)
37. New Orleans (NOX)
38. New York City (NYC)
39. Oklahoma City (OKC)
40. Orlando (ORL)
41. Philadelphia/Wilmington (PHI)
42. Phoenix/Tucson (PHO)
43. Pittsburgh (PIT)
44. Portland (POR)
45. Providence (PRO)
46. Raleigh (RAL)
47. Richmond (RIC)
48. Rochester (ROC)
49. Sacramento (SAC)
50. San Antonio (SAN)
51. San Diego (SDX)
52. Seattle (SEA)
53. San Francisco (SFX)
54. Salt Lake City (SLC)
55. Springfield, Massachusetts (SPR)
56. St. Louis (STL)
57. Syracuse (SYR)
58. Tampa (TAM)
59. Toledo (TOL)
60. Washington DC/Baltimore (WDC)

AKR	001A	041-04-50	081-38-15.5	Tx1	TA-2335-DAB-H	180	0	22184	525
AKR	002B	041-03-53	081-30-14	Tx1	TA-2304-2-DAB(120)	160	0	2518	150
AKR	003A	041-01-52	081-33-15	Tx1	TA-2304-2-DAB(120)	180	0	2938	110
AKR	004A	041-06-23	081-34-30	Tx1	TA-2304-2-DAB(90)	135	0	3142	110
AKR	005A	041-09-10	081-26-32	Tx1	TA-2335-DAB-H	180	0	2742	205
AKR	006A	041-01-45	081-23-29	Tx1	TA-2335-DAB-H-	135	0	3134	165

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ALB	005A	042-45-39	073-56-15	Tx1	TA-2304-2-DAB-H (60)	340	0	39906	110
ALB	006D	042-43-14.4	073-48-01.9	Tx1	TA-2304-2-DAB (90)	340	0	4246	91
ALB	007C	042-42-10.4	073-54-58.2	Tx1	TA-2304-2-DAB-H (45)	330	0	39906	70
ALB	009A	042-37-14.2	073-49-23.7	Tx1	TA-2304-2-DAB-H (120)	235	0	32820	180
ALB	011A	042-52-09.0	073-45-06.5	Tx1	TA-2304-2-DAB-H (45)	0	0	39906	140
ALB	012C	043-35-06	073-46-29	Tx1	TA-2304-2-DAB (90)	180	0	3872	230
ALB	013B	042-36-11.7	073-44-00.7	Tx1	TA-2304-2-DAB-H (90)	160	0	37198	110
ALB	016B	042-58-41.5	073-47-27.6	Tx1	TA-2304-2-DAB-H (90)	0	0	37198	72

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Tilt	ERP (W)	AGL
ALQ	004A	035-12-46.5	106-26-58.5	Tx1	TA-2304-2-DAB-H (90°)	225	0	38942	65

ATL	010B	033-45-27	084-23-14	Tx1	TA-2335-DAB-H	160	4	3444	664
ATL	027A	033-41-48	084-23-57	Tx1	TA-2304-2-DAB(120)	180	0	2496	170
ATL	041B	033-46-59	084-27-38	Tx1	TA-2335-DAB-H(90)	180	4	12926	230
ATL	043B	033-37-17.3	084-24-16.7	Tx1	TA-2304-2-DAB(120)	270	6	2396	190
ATL	046A	033-48-25	084-20-22	Tx1	TA-2350-DAB-H	0	0	7294	600
ATL	048E	033-46-47	084-17-51	Tx1	TA-2304-2-DAB(120)	135	0	3606	148
ATL	059A	033-54-59	084-12-06	Tx1	TA-2304-2-DAB(120)	60	0	2014	255
ATL	067A	033-51-09	084-12-22	Tx1	TA-2304-2-DAB(120)	45	0	2634	157
ATL	069A	033-58-04	084-30-05	Tx1	TA-2304-2-DAB(120)	300	0	3444	208
ATL	508B	033-52-03.9	084-20-01.5	Tx1	TA-2304-2-DAB(120)	10	0	2416	133
ATL	B10B	033-45-27	084-23-14	Tx1	TA-2335-DAB-H	270	4	3444	664

AUS	003A	030-19-23.9	097-47-59.5	Tx1	TA-2350-DAB-H (360°)	0	0	5948	900

BIR	001A	033-26-28	086-53-02	Tx1	TA-2304-2-DAB(90)	240	0	3836	350
BIR	002A	033-25-07	086-49-55	Tx1	TA-2304-2-DAB(90)	140	0	2644	350
BIR	005B	033-29-00	086-48-29	Tx1	TA-2304-2-DAB(90)	150	0	3330	340
BIR	007B	033-32-20	086-51-28	Tx1	TA-2304-2-DAB(90)	240	0	3624	265
BIR	011D	033-35-15	086-48-27	Tx1	TA-2304-2-DAB(90)	330	0	4088	265

City	City Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation		ERP (watts)	Height AGL (meters)
BOS	119A	042-35-36.5	070-45-54.6	Tx1	TA-2335-DAB-H (120°)	70		16022	100
BOS	119A	042-35-36.5	070-45-54.6	Tx2	TA-2335-DAB-H (120°)	250		16022	100
BOS	124A	042-24-35.2	071-02-19.4	Tx1	TA-2304-2-DAB-160	45	0	2082	95
BOS	125A	042-22-49	071-10-38	Tx1	TA-2304-2-DAB-160	290	0	2148	95
BOS	127A	042-19-47	071-06-31	Tx1	TA-2304-2-DAB-160	250	0	2018	125
BOS	131A	042-37-29.5	070-39-12	Tx1	TA-2335-DAB-H (120°)	0		13796	100
BOS	131A	042-37-29.5	070-39-12	Tx2	TA-2335-DAB-H (120°)	120		13796	100
BOS	131A	042-37-29.5	070-39-12	Tx3	TA-2335-DAB-H (120°)	240		13796	100
BOS	134A	042-30-19	071-04-13	Tx1	TA-2304-2-DAB-160	0	0	2018	75
BOS	135A	042-27-29	071-03-36	Tx1	TA-2304-2-DAB-120	0	0	2908	80
BOS	205A	42-46-23	071-06-01	Tx1	TA-2335-DAB-H (120°)	0		9970	350
BOS	205A	42-46-23	071-06-01	Tx2	TA-2335-DAB-H (120°)	120		9970	350
BOS	205A	42-46-23	071-06-01	Tx3	TA-2335-DAB-H (120°)	240		9970	350
BOS	206A	042-10-00	071-30-30	Tx1	TA-2335-DAB-H (120°)	0		12788	160
BOS	206A	042-10-00	071-30-30	Tx2	TA-2335-DAB-H (120°)	120		12788	160
BOS	206A	042-10-00	071-30-30	Tx3	TA-2335-DAB-H (120°)	240		12788	160
BOS	207C	042-02-31	071-18-06	Tx1	TA-2335-DAB-H (120°)	90		13068	140
BOS	207C	042-02-31	071-18-06	Tx2	TA-2335-DAB-H (120°)	210		13068	140
BOS	207C	042-02-31	071-18-06	Tx3	TA-2335-DAB-H (120°)	330		13068	140
BOS	209A	042-31-51	071-08-15	Tx1	TA-2350-DAB-H (360°)	0		12380	190
BOS	212B	042-29-28	071-32-51	Tx1	TA-2335-DAB-H (120°)	0		9796	120
BOS	212B	042-29-28	071-32-51	Tx2	TA-2335-DAB-H (120°)	120		9796	120
BOS	212B	042-29-28	071-32-51	Tx3	TA-2335-DAB-H (120°)	240		9796	120
BOS	213A	042-17-08	071-33-19.9	Tx1	TA2335-DAB	0	0	10526	350
BOS	213A	042-17-08	071-33-19.9	Tx2	TA-2335-DAB-H (120°)	120		10526	350
BOS	213A	042-17-08	071-33-19.9	Tx3	TA-2335-DAB-H (120°)	240		10526	350
BOS	215A	042-04-34.6	071-21-40.5	Tx1	TA-2335-DAB-H (120°)	0		12788	170
BOS	215A	042-04-34.6	071-21-40.5	Tx2	TA-2335-DAB-H (120°)	120		12788	170
BOS	215A	042-04-34.6	071-21-40.5	Tx3	TA-2335-DAB-H (120°)	240		12788	170
BOS	217A	042-32-13	071-16-55	Tx1	TA-2335-DAB-H (120°)	0		12928	160
BOS	217A	042-32-13	071-16-55	Tx2	TA-2335-DAB-H (120°)	120		12928	160
BOS	217A	042-32-13	071-16-55	Tx3	TA-2335-DAB-H (120°)	240		12928	160
BOS	218C	042-05-42	071-00-58	Tx1	TA-2350-DAB-H (360°)	0		12114	220
BOS	221A	042-09-54.7	070-53-19.8	Tx1	TA-2335-DAB-H (120°)	0	0	12380	185
BOS	221A	042-09-54.7	070-53-19.8	Tx2	TA-2335-DAB-H (120°)	120		12380	185
BOS	221A	042-09-54.7	070-53-19.8	Tx3	TA-2335-DAB-H (120°)	240		12380	185
BOS	229B	042-20-45	071-27-00	Tx1	TA-2335-DAB-H (120°)	0		10110	110
BOS	229B	042-20-45	071-27-00	Tx2	TA-2335-DAB-H (120°)	120		10110	110
BOS	229B	042-20-45	071-27-00	Tx3	TA-2335-DAB-H (120°)	240		10110	110
BOS	232B	42-13-18	071-46-28	Tx1	TA2335-DAB	240	0	11416	275
BOS	232B	42-13-18	071-46-28	Tx2	TA-2335-DAB-H (120°)	120		11416	275
BOS	232B	42-13-18	071-46-28	Tx3	TA-2335-DAB-H (120°)	240		11416	275
BOS	233A	042-44-07	071-23-36	Tx1	TA-2350-DAB-H (360°)	0	0	12380	200
BOS	234A	042-09-04	071-06-08	Tx1	TA-2335-DAB-H (120°)	0		9196	126
BOS	234A	042-09-04	071-06-08	Tx2	TA-2335-DAB-H (120°)	120		9196	126
BOS	234A	042-09-04	071-06-08	Tx3	TA-2335-DAB-H (120°)	240		9196	126
BOS	235A	042-39-14	071-13-02	Tx1	TA-2335-DAB-H (120°)	0		11728	250
BOS	235A	042-39-14	071-13-02	Tx2	TA-2335-DAB-H (120°)	120		11728	250
BOS	235A	042-39-14	071-13-02	Tx3	TA-2335-DAB-H (120°)	240		11728	250
BOS	236A	042-38-45	071-05-37	Tx1	TA-2350-DAB-H (360°)	0		13946	145
BOS	237D	042-38-22.2	070-56-23.5	Tx1	TA-2335-DAB-H (120°)	0		10110	100
BOS	237D	042-38-22.2	070-56-23.5	Tx2	TA-2335-DAB-H (120°)	120		10110	100
BOS	237D	042-38-22.2	070-56-23.5	Tx3	TA-2335-DAB-H (120°)	240		10110	100
BOS	241D	042-12-48	071-32-34	Tx1	TA-2335-DAB-H (120°)	0		12652	180
BOS	241D	042-12-48	071-32-34	Tx2	TA-2335-DAB-H (120°)	120		12652	180
BOS	241D	042-12-48	071-32-34	Tx3	TA-2335-DAB-H (120°)	240		12652	180
BOS	244B	042-00-34	071-02-46	Tx1	TA-2335-DAB-H (120°)	0		9446	400
BOS	244B	042-00-34	071-02-46	Tx2	TA-2335-DAB-H (120°)	120		9446	400
BOS	244B	042-00-34	071-02-46	Tx3	TA-2335-DAB-H (120°)	240		9446	400
BOS	270B	041-59-36	071-09-10	Tx1	TA-2335-DAB-H (120°)	0		13068	140
BOS	270B	041-59-36	071-09-10	Tx2	TA-2335-DAB-H (120°)	120		13068	140
BOS	270B	041-59-36	071-09-10	Tx3	TA-2335-DAB-H (120°)	240		13068	140
BOS	271B	042-13-05	070-47-47	Tx1	TA-2350-DAB-H (360°)	0		12380	180
BOS	277A	042-17-.781	071-47-.955	Tx1	TA-2335-DAB-H (120°)	0	0	12788	170
BOS	277A	042-17-.781	071-47-.955	Tx2	TA-2335-DAB-H (120°)	120	0	12788	170
BOS	277A	042-17-.781	071-47-.955	Tx3	TA-2335-DAB-H (120°)	240	0	12788	170

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Downtilt	ERP (Watts)	Height AGL (m)
BUF	001A	043-01-38.9	078-55-54.2	Tx1	TA-2335-DAB-H	80	0	16920	133
BUF	002A	042-56-46	078-49-39	Tx1	TA-2335-DAB-H	90	0	3402	350
BUF	003A	042-48-46.0	078-49-08.0	Tx1	TA-2335-DAB-H	90	0	2604	150
BUF	006A	043-05-38	079-01-40	Tx1	TA-2335-DAB-H	55	0	18644	100
BUF	007A	042-57-016	078-46-029	Tx1	TA-2335-DAB-H	90	0	2730	180
BUF	009A	042-44-00	078-50-04	Tx1	TA-2335-DAB-H	90	0	15924	180
BUF	009A	042-44-00	078-50-04	Tx2	TA-2335-DAB-H	175	0	15924	180
BUF	011B	042-47-46.1	078-38-47.8	Tx1	TA-2304-2-DAB (90)	135	0	3352	125
BUF	012A	043-10-13.2	078-42-17.1	Tx1	TA-2304-2-DAB (90)	90	0	2190	250
BUF	013A	042-47-29.2	078-47-42.9	Tx1	TA-2335-DAB-H	90	0	3196	120

City	Num	Site Latitude	Site Longitude	Antenna Number	System Type	Orientation			
CHA	001B	034-54-50	081-00-10	Tx1	TA-2304-2-DAB(160)	220	0	2764	220
CHA	002E	034-56-34	080-59-12	Tx1	TA-2304-2-DAB(90)	200	0	3040	137
CHA	004A	035-17-50	081-06-56	Tx1	TA-2304-2-DAB-H(60)	240	4	40000	200
CHA	005A	035-16-34	080-48-00	Tx1	TA-2304-2-DAB(120)	30	0	2838	365
CHA	007B	035-10-50.5	080-41-17.2	Tx1	TA-2304-2-DAB(120)	100	0	2642	134
CHA	009F	035-10-35	080-47-50	Tx1	TA-2304-2-DAB(120)	120	0	3872	119
CHA	011B	035-05-35	080-52-01	Tx1	TA-2304-2-DAB(120)	210	0	2302	177
CHA	012C	035-05-29	080-47-55	Tx1	TA-2304-2-DAB(120)	160	0	2302	155
CHA	014B	035-09-53	080-54-55	Tx1	TA-2304-2-DAB(120)	220	0	2340	174
CHA	015B	035-15-56	080-55-15	Tx1	TA-2304-2-DAB(160)	300	0	2076	135
CHA	021B	035-12-36.5	080-54-25.6	Tx1	TA-2304-2-DAB(120)	210	0	2698	131
CHA	023C	035-12-53.1	080-45-10.1	Tx1	TA-2304-2-DAB(120)	90	0	2488	163
CHA	026C	035-14-06.0	080-44-26.0	Tx1	TA-2304-2-DAB(120)	45	0	2612	140
CHA	028A	035-15-05.5	080-41-21.3	Tx1	TA-2304-2-DAB(90)	110	0	3258	515
CHA	032B	035-09-1:7	080-50-17.2	Tx1	TA-2304-DAB(120)	160	0	2296	206
CHA	037A	035-07-29.2	080-43-29.6	Tx1	TA-2304-2-DAB(120)	160	0	3266	268
CHA	038B	035-11-10	080-44-59	Tx1	TA-2304-2-DAB(120)	160	0	2264	180

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Downtilt	ERP (Total Watts)	Height AGL (m)
CHI	106B	042-01-36	087-45-13	Tx1	TA-2304-2-DAB(120)	0	2	2098	200
CHI	116D	041-48-36	087-36-09	Tx1	TA-2304-2-DAB(60)	170	0	8314	209
CHI	116F	041-58-47	087-39-17	Tx1	TA-2304-2-DAB(90)	315	0	5140	209
CHI	118E	042-03-36	087-45-28	Tx1	TA-2304-2-DAB(90)	0	0	4158	147
CHI	121A	041-54-19	087-55-02	Tx1	TA-2335-DAB-H	230	0	4128	272
CHI	123F	041-54-33	087-48-27	Tx1	TA-2335-DAB-H –	315	0	4870	
CHI	127A	041-44-08.3	087-37-52.2	Tx1	TA-2304-2-DAB(120)	180	0	2608	150
CHI	129A	041-53-29.8	087-35-58.8	Tx1	TA-2304-2-DAB(60)	220	0	4186	148
CHI	129A	041-53-29.8	087-35-58.8	Tx2	TA-2304-2-DAB(60)	280	0	4186	148
CHI	133A	041-48-30	087-44-34	Tx1	TA-2335-DAB-H	225	0	3034	172
CHI	134D	041-46-38.1	087-35-11.7	Tx1	TA-2335-DAB-H	120	0	2256	221
CHI	136C	042-02-50.9	087-40-44.8	Tx1	TA-2304-2-DAB(120)	315	0	3678	270
CHI	137B	041-42-27.9	087-31-15.5	Tx1	TA-2335-DAB-H	160	0	4160	306
CHI	140A	041-44-45	087-50-11	Tx1	TA-2304-2-DAB(160)	225	0	2034	140
CHI	142B	042-03-53.0	087-48-01.1	Tx1	TA-2304-2-DAB(160)	0	0	2172	132
CHI	201E	042-07-02	087-46-47	Tx1	TA-2335-DAB-H	60	0	15874	165
CHI	209C	041-37-15	087-40-55	Tx1	TA-2335-DAB-H	180	0	3500	412
CHI	213A	042-03-32.2	088-01-14.5	Tx1	TA-2304-2-DAB(90)	280	0	4212	280
CHI	215A	041-46-24	087-57-02	Tx1	TA-2304-2-DAB(90)	235	0	4560	151
CHI	221C	041-56-52	087-59-45	Tx1	TA-2304-2-DAB(120)	290	0	3632	210
CHI	222A	041-40-12	087-50-50	Tx1	TA-2304-2-DAB(120)	240	0	3748	192
CHI	223B	042-40-11.5	087-50-50.4	Tx1	TA-2304-2-DAB-H (90°)	30	2	13612	400
CHI	225B	042-29-36.3	087-52-14	Tx1	TA-2304-2-DAB-H(120)	10	0	37070	178
CHI	227C	042-25-24	087-56-35	Tx1	TA-2304-2-DAB(120)	0	0	2484	161
CHI	238A	041-31-54	087-42-17	Tx1	TA-2304-2-DAB(160)	180	0	2270	222
CHI	239D	042-05-25	087-50-13	Tx1	TA-2304-2-DAB(120)	315	0	2568	150
CHI	241D	041-36-45	087-47-33	Tx1	TA-2335-DAB-H	240	0	2968	183
CHI	250A	041-53-02.5	088-00-32.1	Tx1	TA-2304-2-DAB(120)	250	0	3868	165
CHI	255B	042-12-50	087-50-35	Tx1	TA-2304-2-DAB-H(90)	0	0	40000	200
CHI	604B			Tx1	TA-2304-2-DAB(90)	320	0	4864	85

[redacted]	[redacted]	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	[redacted]	[redacted]	[redacted]
CIN	025C	039-06-57	084-30-07	Tx1	TA-2350-DAB-H (360°)	270	2	6000	840
CIN	027D	039-07-06	084-26-26	Tx1	TA-2304-2-DAB (120°)	220	2	2600	196
CIN	029B	039-08-26	084-27-13	Tx1	TA-2304-2-DAB (45°)	120	2	7200	217
CIN	030A	039-15-34	084-20-30.6	Tx1	TA-2304-2-DAB(90)	45	4	2700	140
CIN	037A	039-12-00	084-31-21	Tx1	TA-2335-DAB-H	315	0	19300	750
CIN	041B	039-10-43.7	084-23-56.1	Tx1	TA-2304-2-DAB(90)	45	0	4000	209
CIN	043D	039-04-32	084-39-34	Tx1	TA-2304-2-DAB(90)	225	0	6200	164

[illegible]	[illegible] Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	[illegible]	[illegible]	[illegible] AGL [illegible]
CLE	005D	041-25-22	081-30-49	Tx2	TA-2350-DAB-H (360°)	270	2	12800	160
CLE	006A	041-35-52	081-30-12	Tx1	TA-2304-2-DAB(90)	45	0	2742	150
CLE	016B	041-23-07	081-41-01	Tx2	TA-2350-DAB-H (360°)	0	2	3076	750
CLE	018B	041-34-25	081-32-12	Tx1	TA-2304-2-DAB(90)	45	0	3436	150
CLE	022B	041-29-59	081-36-30	Tx1	TA-2304-2-DAB(90)	120	0	2964	180
CLE	023A	041-28-43	081-45-47	Tx1	TA-2304-2-DAB-H(90)	225	0	33654	140
CLE	026A	041-18-19	081-26-03	Tx2	TA-2350-DAB-H (360°)	270	2	12882	180
CLE	027A	041-25-10	081-37-29	Tx2	TA-2304-2-DAB-H	180	0	22388	123
CLE	028A	041-19-24	081-38-51	Tx2	TA-2350-DAB-H	90	2	9462	180

[illegible]	[illegible] Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Downtilt	[illegible]	[illegible]
COL	019D	040-03-46.5	082-53-45.6	Tx1	TA-2304-2-DAB(45)	110	0	2640	240
COL	023A	039-55-57.8	082-47-16.8	Tx1	TA-2304-2-DAB(45)	10	0	2300	190
COL	025A	039-53-13	082-56-31	Tx1	TA-2304-2-DAB(90)	150	0	4580	121
COL	026A	040-08-25.0	083-01-15.1	Tx1	TA-2304-2-DAB(45)	300	0	6040	169
COL	501A			Tx1	TA-2304-2-DAB(45)	45	6	4800	140

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation			
DAY	003B	039-48-22	084-05-58	Tx1	TA-2335-DAB-H	30	8	5600	105
DAY	011B	039-43-28	084-15-17	Tx1	TA-2350-DAB-H (360°)	45	2	5346	900
DAY	016A	039-51-50.6	084-02-48.2	Tx1	TA-2304-2-DAB(60)	100	6	3320	175
DAY	018A	039-51-22.0	084-27.5	Tx1	TA-2304-2-DAB(90)	45	0	2520	173
DAY	019C	039-40-10.1	084-12-40.0	Tx1	TA-2304-2-DAB(60)	120	3	4300	170

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Coverage	ERP (watts)	Antenna HAAT (meters)
DEN	002D	039-54-48	105-17-32	Tx1	TA-2335-DAB-H	0	2	4260	30
DEN	005A	039-35-31	104-52-37.8	Tx1	TA-2335-DAB-H	200	0	2240	104
DEN	008A	039-45-19.7	105-06-37.7	Tx1	TA-2304-2-DAB(90)	270	0	3500	120
DEN	512A	039-51-37	105-01-24.9	Tx1	TA-2335-DAB-H(120)	20	0	3280	120

DET	001A	042-19-49	083-02-20	Tx1	TA-2335-DAB-H	315	0	4426	740
DET	005D	042-32-40	082-54-08	Tx1	TA-2335-DAB-H	335	7	4226	343
DET	008A	042-17-45	083-10-18	Tx1	TA-2335-DAB-H	270	0	3516	140
DET	012A	042-24-30	082-55-18	Tx1	TA-2335-DAB-H	315	6	2234	45
DET	014A	042-23-34.3	083-08-46.6	Tx1	TA-2335-DAB-H	300	0	3724	400
DET	016A	042-28-16	083-12-7	Tx1	TA-2335-DAB-H	315	0	2852	300
DET	019A	042-22-15	082-57-06	Tx1	TA-2335-DAB-H	330	6	4064	130
DET	028A	042-29-04	083-29-08	Tx1	TA-2335-DAB-H	300	4	4226	335
DET	029B	042-18-35	083-17-05	Tx1	TA-2335-DAB-H	315	0	2958	203
DET	030A	042-39-37	083-04-29.5	Tx1	TA-2335-DAB-H	325	0	4426	215
DET	031C	042-16-38	083-27-42	Tx1	TA-2335-DAB-H	270	0	4226	129
DET	033A	042-11-56	083-14-12	Tx1	TA-2335-DAB-H	250	0	4226	110
DET	034A	042-22-51	083-22-09	Tx1	TA-2335-DAB-H	270	0	4634	127
DET	035A	042-17-40	083-17-44	Tx1	TA-2335-DAB-H	240	0	4130	120
DET	036B	042-17-18	083-09-17	Tx1	TA-2335-DAB-H	320	0	5058	108
DET	037A	042-06-32	083-11-44	Tx1	TA-2335-DAB-H	240	0	3316	130
DET	040A	042-32-40.5	083-07-49	Tx1	TA-2335-DAB-H	315	0	3514	150
DET	043A	042-28-18	083-20-10.9	Tx1	TA-2335-DAB-H	315	0	3944	80
DET	044A	043-02-47	083-41-45	Tx1	TA-2304-DAB(120)	0	0	4476	218
DET	045A	042-56-37.3	083-42-39.7	Tx1	TA-2304-2-DAB(120)	0	0	3944	130
DET	046A	042-20-58	083-36-22	Tx1	TA-2335-DAB-H	250	0	14488	140
DET	047A	042-14-32	083-34-11	Tx1	TA-2335-DAB-H	270	0	3856	130
DET	048A	042-13-18	083-41-56	Tx1	TA-2335-DAB-H	225	0	3458	157
DET	515A	042-32-32.3	083-12-35.2	Tx1	TA-2335-DAB-H	300	0	4064	180

Site	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation			
DFW	004A	032-59-03	096-42-50	Tx1	TA-2335-DAB-H	20	0	4320	260
DFW	005A	032-51-52	096-48-37	Tx1	TA-2335-DAB-H	0	0	3076	220
DFW	006C	032-54-40.1	096-52-34.6	Tx1	TA-2335-DAB-H	330	0	3450	200
DFW	011A	032-45-11	097-19-46	Tx1	TA-2335-DAB-H	230	0	2014	520
DFW	013B	033-14-23	097-07-57.0	Tx1	TA-2304-2(120)	0	0	2326	170
DFW	019A	033-02-26.0	096-58-19.0	Tx1	TA-2335-DAB-H	320	5	3932	300
DFW	030E	032-36-17.6	097-11-12.0	Tx1	TA-2335-DAB-H	220	0	2440	160
DFW	507B	032-49-54.0	096-54-43.0	Tx1	TA-2304-2-DAB(45)	270	4	5132	270
DFW	512D	032-44-28	096-53-42	Tx1	TA-2335-DAB-H	225	0	4100	250
DFW	515B	032-52-39.6	097-04-56.1	Tx1	TA-2304-2(45)	290	0	5540	175
DFW	517B	032-48-35.7	097-06-5	Tx1	TA-2304-2(45)	270	2	5720	190
DFW	518A	032-44-23.9	097-06-41.8	Tx1	TA-2335-DAB-H	210	5	3988	300

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Downtilt	ERP Total (Watts)	AGL (ft)
FRE	002A	036-48-59.5	119-52-56.9	Tx1	TA-2304-2-DAB-H (90°)	120	0	37820	180

? FRESNO

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Azimuth	Elevation	ERP (kW)	HAAT (m)
GRE	001B	036-04-31.3	079-47-29.5	Tx1	TA-2304-2-DAB(120)	45	0	3258	304
GRE	003A	035-55-10	080-01-47	Tx1	TA-2335-DAB-H(120)	45	0	18752	240
GRE	005B	036-03-29.9	079-50-47.1	Tx1	TA-2335-DAB-H(120)	45	0	3902	85
GRE	008A	036-05-10.3	079-45-38.1	Tx1	TA-2304-2-DAB(120)	30	0	2488	504
GRE	009A	036-05-24	080-15-05	Tx1	TA-2304-2-DAB-H(160)	315	0	21332	330
GRE	018D	035-59-20.3	079-48-25.4	Tx1	TA-2304-2-DAB(90)	0	0	3040	172
GRE	021A	036-07-08.2	080-19-01.0	Tx1	TA-2304-2-DAB(120)	270	0	2416	174
GRE	022D	036-09-18.1	080-16-38.8	Tx1	TA-2304-2-DAB(120)	0	0	2264	194

Dir	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Omni	Elevation Feet	Height AGL Feet
HAB	005A	040-19-07.0	076-56-45.0	Tx1	TA-2335-DAB-H	200	3	3148	178
HAB	009C	040-17-14.0	076-44-01.0	Tx1	TA-2335-DAB-H	135	0	3128	192
HAB	017C	040-20-45.0	076-52-10.0	Tx1	TA-2335-DAB-H	140	3	4028	170
HAB	507A	040-12-40.1	076-52-58.1	Tx1	TA-2304-2-DAB(160)	180	0	2540	106

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Beam	Power	Gain
HAR	004A	041-11-47.0	073-16-56.0	Tx1	TA-2350-DAB-H (360°)	0	2	9434	128
HAR	005A	041-18-28.0	073-01-58.0	Tx1	TA-2350-DAB-H (360°)	0	2	10704	105
HAR	007B	041-23-52.0	072-51-24.0	Tx1	TA-2350-DAB-H (360°)	0	2	10704	130
HAR	008E	041-38-17	072-40-26	Tx1	TA-2350-DAB-H (360°)	0	2	9434	180
HAR	009A	041-43-53	072-36-29	Tx1	TA-2350-DAB-H (360°)	0	2	10050	120
HAR	011A	041-46-19	072-31-52	Tx1	TA-2350-DAB-H (360°)	0	2	10050	130
HAR	013A	041-42-13	072-49-57	Tx1	TA-2335-DAB-H	60	0	8258	460
HAR	013A	041-42-13	072-49-57	Tx2	TA-2335-DAB-H	180	0	8258	460
HAR	013A	041-42-13	072-49-57	Tx3	TA-2335-DAB-H	300	0	8258	460
HAR	018A	041-46-05	072-40-28	Tx1	TA-2335-DAB	90	0	2792	372
HAR	022B	041-32-04	072-58-09	Tx1	TA-2304-2-DAB(45)	290	0	6340	157
HAR	024A	041-11-01	073-09-32	Tx1	TA-2350-DAB-H (360°)	0	2	10176	110
HAR	026D	041-08-28	073-16-13	Tx1	TA-2304-2-DAB (45°)	270	2	11912	65
HAR	028C	041-21-00	072-58-24	Tx1	TA-2335-DAB-H (120°)	0	15	10372	90
HAR	029A	041-41-36	072-32-52.4	Tx1	TA-2350-DAB-H (360°)	0	2	11046	105
HAR	030A	041-48-11	072-37-04	Tx1	TA-2350-DAB-H (360°)	0	2	9288	140
HAR	031A	041-29-21	072-46-08	Tx1	TA-2350-DAB-H (360°)	0	2	9584	105
HAR	033D	041-03-02	073-32-06	Tx1	TA-2355-LCC (360°)	60	2	2266	240
HAR	035A	041-28-51	072-49-05	Tx1	TA-2304-2-DAB(45)	200	0	4468	175
HAR	036D	041-33-39	072-50-41	Tx2	TA-2304-2-DAB (60°)	340	15	4758	125
HAR	037A	041-14-09	073-09-02	Tx1	TA-2304-2-DAB (45°)	85	2	7422	56
HAR	052A	041-05-30.6	073-27-01.3	Tx1	TA-2304-2-DAB (45°)	230	2	11008	109
HAR	520A	041-51-12	072-27-09	Tx1	TA-2335-DAB-H (120°)	0	15	9892	135
HAR	541B	041-35-001	072-39-00	Tx1	TA-2350-DAB-H (360°)	0	2	10874	135
HAR	545A	041-32-13	073-05-18	Tx1	TA-2335-DAB-H (120°)	0	6	7932	135

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Downtilt	ERP Total (watts)	Height AGL in feet
HOU	002A	029-46-51	095-38-45	Tx1	TA-2335-DAB-H	225	6	4210	280
HOU	007A	029-42-19.0	095-25-48.0	Tx1	TA-2304-2-DAB(160)	230	0	2190	150
HOU	009B	030-04-51.6	095-24-50.3	Tx1	TA-2304-2-DAB-H(45)	340	0	40000	180
HOU	010A	029-52-06.2	095-21-35.3	Tx1	TA-2304-2-DAB(160)	0	0	3668	430
HOU	012A	029-58-19.2	095-26-09.4	Tx1	TA-2304-2-DAB(90)	340	0	4532	190
HOU	015B	029-45-01	095-30-06	Tx1	TA-2304-2-DAB(90)	270	0	5110	160
HOU	016A	029-48-19.0	095-12-18.8	Tx1	TA-2335-DAB-H	60	0	4200	280
HOU	020A	030-18-26.8	095-28-27.1	Tx2	TA-2324-LHCP	159	54	10176	30
HOU	021A	029-57-44.8	095-29-58.1	Tx1	TA-2335-DAB (120°)	300	0	4292	250
HOU	023B	030-00-23.7	095-13-00.7	Tx1	TA-2335-DAB-H (120°)	15	0	3458	460
HOU	504A	029-50-39.5	095-30-46.1	Tx1	TA-2304-2-DAB-H(120)	320	0	35040	230
HOU	505B	029-40-5.83	095-14-55.7	Tx1	TA-2304-2-DAB-H(90)	120	0	3150	160
HOU	506A	029-39-38.5	095-28-33.1	Tx1	TA-2304-2-DAB(90)	270	0	4834	180
HOU	514A	029-49-43.5	095-17-26.2	Tx1	TA-2304-2-DAB(120)	40	0	2384	200
HOU	517A	029-42-56	095-17-43	Tx1	TA-2304-2-DAB(120)	120	0	2712	135

IND	002C	039-46-36.0	086-09-17.0	Tx2	TA-2350-DAB-H (360°)	0	2	10400	840

JAC	002B	030-16-35	081-33-52	Tx1	TA-2335-DAB-H	80	4	3070	365
JAC	008A	030-20-08	081-35-46	Tx1	TA-2335-DAB-H	60	3	3112	178
JAC	009A	030-17-09	081-43-19	Tx1	TA-2335-DAB-H	240	0	3210	168

City	Facility Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation			
KAC	007C	038-57-51	094-47-01	Tx1	TA-2335-DAB	230	0	3096	150
KAC	022C	039-03-54	094-25-15	Tx1	TA-2304-DAB (90°)	110		3108	170
KAC	025A	039-05-58	094-34-57	Tx1	TA-2355-DAB	0	0	4376	635
KAC	B25A	039-05-58	094-34-57	Tx1	TA-2335-DAB	120	0	4376	635
KAC	C25A	039-05-58	094-34-57	Tx1	TA-2335-DAB	240	0	4376	635

KNO	007G	035-57-46.2	084-01-22.6	Tx1	TA-2350-T6	270	0	6948	265

[illegible]	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	[illegible]	[illegible]	[illegible]
LAX	008A	033-52-20.0	118-23-46.0	Tx1	TA-2304-2-DAB(160)	240	8	2518	47
LAX	011A	034-03-02.2	118-27-32.8	Tx1	TA-2304-2-DAB(60)	240	8	4582	327
LAX	012C	034-04-02.6	118-24-27.8	Tx1	TA-2304-2-DAB(60)	280	8	6324	157
LAX	014A	034-09-11.8	118-27-53.3	Tx1	TA-2335-DAB	270	3	4266	314
LAX	018A	034-11-05.6	118-18-25.8	Tx1	TA-2304-2-DAB(90)	250	8	4478	164
LAX	019A	034-13-18.4	118-23-20.9	Tx1	TA-2304-2-DAB(45)	270	8	7962	77
LAX	020B	034-10-09.3	118-07-03.1	Tx1	TA-2304-2-DAB(45)	90	8	7962	105
LAX	021A	034-16-55	118-28-18	Tx1	TA-2335-DAB	20	8	6326	130
LAX	022C	034-07-52.5	118-20-39.6	Tx1	TA-2304-DAB (60°)	20	0	3180	71
LAX	022C	034-07-52.5	118-20-39.6	Tx2	TA-2304-DAB (60°)	210	0	3180	71
LAX	023A	033-56-43.5	118-23-21.9	Tx1	TA-2304-2-DAB(45)	225	9	3786	188
LAX	024A	033-55-45.0	118-18-04.7	Tx1	TA-2304-2-DAB(90)	180	8	4000	40
LAX	025C	034-01-01	118-30-03	Tx1	TA-2335-DAB	180	3	2698	304
LAX	025C	034-01-01	118-30-03	Tx2	TA-2335-DAB	348	3	2698	304
LAX	028B	034-05-54.5	118-19-28.6	Tx1	TA-2304-DAB(45)	250	9	3398	297
LAX	034B	034-19-59.9	119-00-56.0	Tx1	TA-2304-2-DAB-H(90)	210	8	39200	100
LAX	035A	034-09-55.0	118-54-27.9	Tx1	TA-2304-2-DAB(120)	0	9	3170	50
LAX	037B	034-16-30.4	118-19-35.4	Tx1	TA-2304-DAB(45)	135	8	7962	46
LAX	039B	034-19-41	118-35-48	Tx1	TA-2304-2-DAB(60)	20	9	3170	34
LAX	101B	034-12-48	118-03-43	Tx1	TA-2304-2-DAB-H (60°)	200	8	40000	70
LAX	102C	033-59-36.0	117-27-28.0	Tx1	TA-2335-DAB	135	3	3990	44
LAX	103A	033-57-38	117-16-46	Tx1	TA-2335-DAB	150	3	3990	118
LAX	105A	033-59-09.8	117-22-16.3	Tx1	TA-2335-DAB	135	3	3990	137
LAX	107A	033-54-44.1	117-49-18.6	Tx1	TA-2335-DAB	135	3	3990	82
LAX	108A	033-37-02.1	117-52-45.8	Tx1	TA-2304-2-DAB(90)	180	8	5024	167
LAX	109A	033-38-03	117-36-42	Tx1	TA-2304-2-DAB(60)	170	0	3170	74
LAX	110A	034-04-25	117-48-45	Tx1	TA-2335-DAB	180	3	3990	68
LAX	111A	034-03-20.4	117-10-38.7	Tx1	TA-2304-2-DAB(90)	110	8	4346	117
LAX	112C	034-03-56.8	117-16-50.4	Tx1	TA-2335-DAB	45	2	5024	79
LAX	113B	033-55-40.9	117-25-21.5	Tx1	TA-2335-DAB	80	3	3990	88
LAX	116A	034-06-13.0	117-41-09.0	Tx1	TA-2335-DAB	115	3	3990	78
LAX	117C	034-01-41.4	117-43-32.1	Tx1	TA-2335-DAB	130	6	3990	89
LAX	126A	033-40-41	117-51-02	Tx1	TA-2304-2-DAB(45)	140	8	7872	169
LAX	137A	033-47-17.4	117-53-25.7	Tx1	TA-2335-DAB	135	3	5638	238
LAX	142A	033-33-24.6	117-41-00.6	Tx1	TA-2304-2-DAB(60)	240	8	6324	28
LAX	144A	033-39-29	117-45-01	Tx1	TA-2304-DAB(90)	135	8	2472	149
LAX	632A	033-25-51.7	117-35-46.4	Tx1	TA-2304-DAB(60)	300	8	3170	32
LAX	645B	033-35-08.6	117-43-56.2	Tx1	TA-2335-DAB	135	8	3990	75

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Cow	ERP (W)	AGL (ft)
LOU	006B	038-16-53.1	085-38-21.3	Tx1	TA-2304-2-DAB(120)	45	0	2820	107
LOU	007B	038-13-41	085-38-22	Tx1	TA-2304-2-DAB(60)	30	0	3020	176
LOU	011B	038-09-30	085-48-51	Tx1	TA-2304-2-DAB(90)	210	0	3640	230
LOU	024A	038-12-45	084-53-07	Tx1	TA-2304-2-DAB (90°)	155	2	4200	165
LOU	512A	038-09-54.7	085-35-49.9	Tx2	TA-2304-2-DAB(60)	180	0	3170	200
LOU	519A	38-09-38.4	84-51-45.6	Tx1	TA-2304-2-DAB (60°)	330	2	4000	207

Site City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	[illegible]	Site Total [illegible]	Height AGL [illegible]
LVX	003A	036-06-01.0	115-10-17.0	Tx1	TA-2304-2-DAB(90)	190	5	5130	378
LVX	004A	036-07-00.0	115-11-17.0	Tx1	TA-2304-2-DAB(60)	300	8	5918	432
LVX	005A	036-03-37.6	115-02-17.1	Tx1	TA-2304-2-DAB(120)	150	8	3734	213

City	Facility Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Azimuth	Beamtilt	ERP (W)	HAAT (m)
MEM	002A	035-02-13	090-04-40	Tx1	TA-2335-DAB-H	160	5	20428	225
MEM	005A	035-06-42	089-53-30	Tx1	TA-2304-2-DAB(90)	110	0	2890	374
MEM	010A	035-12-02	089-55-05	Tx1	TA-2304-2-DAB(90)	45	0	2958	165
MEM	011B	035-07-12	090-01-12	Tx1	TA-2350-DAB-H (360°)	360	2	8860	185
MEM	013C	035-01-41	089-53-00	Tx1	TA-2304-2-DAB(45)	90	0	7962	260

MIA	001A	025-48-50	080-07-33	Tx1	TA-2335-DAB-H	240	0	4132	250
MIA	002E	025-53-21	080-07-24.9	Tx1	TA-2335-DAB-H	240	0	4834	148
MIA	003F	025-45-55	080-11-40	Tx1	TA-2335-DAB-H	240	0	4122	335
MIA	004A	025-38-46.9	080-20-03.7	Tx1	TA-2335-DAB-H	225	0	3480	129
MIA	005A	026-50-22.4	080-12-13	Tx1	TA-2335-DAB-H	225	0	3760	148
MIA	007B	025-55-08.0	080-09-29.0	Tx1	TA-2304-2-DAB(45)	240	0	3530	138
MIA	008A	026-07-13.8	080-08-25	Tx1	TA-2335-DAB-H	350	0	3828	428
MIA	009A	26-20-51	80-04-68	Tx1	TA-2335-DAB-H	0	0	4132	312
MIA	010A	026-32-04	080-03-04	Tx1	TA-2335-DAB-H	0	0	3530	134
MIA	011A	026-17-58	080-09-03	Tx1	TA-2335-DAB-H	0	0	3518	134
MIA	012A	026-22-13.4	080-10-22.0	Tx1	TA-2335-DAB-H	0	0	2716	220
MIA	013A	026-35-34	080-03-22.2	Tx1	TA-2335-DAB-H	0	0	3262	114
MIA	014C	026-42-29	080-03-03	Tx1	TA-2335-DAB-H	330	0	4472	357
MIA	015A	26-45-42	80-04-42	Tx1	TA-2335-DAB-H	0	0	3202	375
MIA	016A	026-13-49	080-05-26	Tx1	TA-2335-DAB-H	0	0	3828	300
MIA	018B	026-27-30.1	080-04-10.3	Tx1	TA-2335-DAB-H	0	0	3210	164
MIA	019B	025-50-22	080-12-12	Tx1	TA-2335-DAB-H	270	0	3420	136
MIA	020B	025-50-25.0	080-17-32.0	Tx1	TA-2335-DAB-H	225	0	2574	230
MIA	022A	025-42-47	080-16-39	Tx1	TA-2335-DAB-H	225	0	5074	163
MIA	023A	026-37-17.	080-06-52	Tx1	TA-2335-DAB-H	0	0	3530	135
MIA	029C	026-16-29	080-15-08	Tx1	TA-2304-2-DAB(160)	325	0	2944	135
MIA	030C	026-31-05	080-10-12	Tx1	TA-2335-DAB-H	0	0	2700	220
MIA	101E	025-58-15	080-12-32	Tx1	TA-2350H_T6	0	0	10352	600

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation			
MIL	004E	043-04-27	087-58-37	Tx1	TA-2335-DAB	330	0	4794	130
MIL	008A	043-06-15	088-03-42	Tx1	TA-2304-2(120)	340	0	2822	128
MIL	013B	043-00-29.5	088-03-21.0	Tx1	TA-2304-2(160)	300	0	4660	172
MIL	016A	043-08-39	087-54-46.8	Tx1	TA-2304-2(120)	0	0	2336	154
MIL	017A	042-51-22.3	087-50-42.8	Tx1	TA-2304-2(60)	160	0	3092	299

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Downtilt	EIRP (watts)	[illegible]
MIN	006B	045-03-01	093-23-50	Tx1	TA-2335-DAB	270	0	3724	190
MIN	008A	044-50-24.9	093-16-12.2	Tx1	TA-2304-2-DAB(120)	180	0	2262	180
MIN	010A	044-52-34.0	093-04-10.7	Tx1	TA-2335-DAB	135	0	2848	227
MIN	014B	044-54-03	093-24-34	Tx1	TA-2304-2-DAB(120)	270	0	3632	189
MIN	015A	045-10-08	093-23-37	Tx1	TA-2304-2-DAB(120)	330	0	2734	160
MIN	016D	045-02-40	093-11-40	Tx1	TA-2304-2-DAB(120)	20	0	2336	190
MIN	024D	044-51-07	092-58-03	Tx1	TA-2335-DAB	135	0	3034	182
MIN	026A	045-02-49	092-59-09	Tx1	TA-2304-2-DAB(90)	45	0	3552	131
MIN	027A	044-57-23	093-00-15	Tx1	TA-2304-2-DAB(120)	90	0	2822	115
MIN	028A	045-11-42	093-14-27	Tx1	TA2335-DAB	270	10	3034	167
MIN	031A	045-01-46	093-20-19	Tx1	TA2335-DAB	60	0	2940	183
MIN	032A	044-55-11	093-11-51	Tx1	TA-2304-2-DAB(120)	135	0	3520	280
MIN	033A	044-53-10	093-19-21	Tx1	TA-2304-2-DAB(160)	180	0	2796	189

Site City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Down[illegible]	ERP Tot[illegible] Watts	Height AGL [illegible]
MON	001A	036-36-44.8	121-54-55.1	Tx1	TA-2304-2-DAB(45)	40	5	8186	23
MON	004A	036-36-26	121-51-24	Tx1	TA-2304-2-DAB (160°)	180	0	2400	135
MON	009A	036-59-35.5	121-59-45	Tx1	TA-2304-2-DAB(120)	180	9	2872	60

NAS	001A	036-10-28.4	086-40-07.4	Tx1	TA-2304-2-DAB-H(90)	90	0	34446	65
NAS	003A	036-15-53	086-36-57	Tx1	TA-2304-2-DAB(120)	70		2404	180
NAS	006A	036-02-58	086-49-59	Tx1	TA-2335-DAB-H	180	0	4580	200
NAS	007A	036-10-12	086-51-37	Tx1	TA-2335-DAB-H	210	0	3026	170
NAS	009A	036-04-34	086-46-35	Tx1	TA-2304-2-DAB(90)	180	0	3474	135
NAS	016A	036-11-12	086-49-13	Tx1	TA-2304-2-DAB(120)	270	0	2636	140
NAS	020A	036-08-06	086-43-58	Tx1	TA-2335-DAB-H	180	0	3026	160
NAS	036A	036-15-24	086-44-39	Tx1	TA-2304-2-DAB(120)	0	0	2576	160
NAS	038D	036-04-31	086-55-09	Tx1	TA-2304-2-DAB (90°)	270	6	4328	200
NAS	039B	036-02-56	086-43-21	Tx1	TA-2304-2-DAB(90)	150	0	3026	170
NAS	043B	036-13-45	086-50-48	Tx1	TA-2335-DAB-H	260	4	4274	170
NAS	508A	036-05-21	086-42-14	Tx1	TA-2304-2-DAB (90°)	150	0	3096	140
NAS	541A	036-01-13	086-38-19	Tx1	TA-2335-DAB-H	110	0	4374	250
NAS	544A	036-09-17	086-49-45	Tx1	TA-2304-2-DAB-H (90°)	190	0	40000	185

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Downtilt	EIRP Total Watts	Height AGL
NOR	001A	037-01-46.8	076-22-34.8	Tx1	TA-2335-DAB-H	320	0	3244	492
NOR	003A	036-51-44.7	075-58-43.4	Tx1	TA-2304-2-45	0	0	3900	212
NOR	004B	036-50-32.8	076-07-55.0	Tx1	TA-2304-2-90	90	0	3396	178
NOR	005E	036-53-08.6	076-10-59.3	Tx1	TA-2335 - DAB	45	0	3640	115
NOR	006C	036-48-16	076-07-42	Tx1	TA-2304-2-90	130	0	2636	130
NOR	007A	037-15-36	076-38-45.6	Tx1	TA-2335 - DAB H	0	0	18240	251
NOR	007A	037-15-36	076-38-45.6	Tx2	TA-2335-DAB H	270	0	18240	251
NOR	008A	037-04-42.3	076-26-47.3	Tx1	TA-2335 - DAB H	335	0	17726	395
NOR	009C	036-49-12.0	076-23-33.5	Tx1	TA-2304-2-160	210	0	2046	145
NOR	010A	036-46-59.8	076-12-03.5	Tx1	TA-2304-2-90	130	0	3244	270
NOR	012A	037-12-33.1	076-32-32	Tx1	TA-2304-2-45	290	0	8532	200

NOX	004A	029-56-30.4	090-11-38.7	Tx1	TA-2304-2-DAB(90)	300	0	2954	170
NOX	008A	029-54-38.1	090-11-46.1	Tx2	TA-2304-2-DAB (45°)	110	0	4066	300
NOX	010A	030-02-00.2	089-58-20.6	Tx1	TA-2304-2-DAB(90)	30	0	3254	146
NOX	013A	030-28-06.5	090-27-38.1	Tx1	TA-2304-2-DAB(90)	0	0	3254	150
NOX	014A	030-25-54	090-05-33	Tx1	TA-2304-2-DAB(90)	0	0	4292	230
NOX	015A	030-16-30.7	089-46-58.4	Tx1	TA-2304-2-DAB(90)	40	0	4434	150
NOX	501A	029-59-51.0	090-10-51.0	Tx1	TA-2335-DAB-H	0	0	4386	230

[illegible]	[illegible]	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Downtilt	[illegible]	ASL
NYC	004A	040-47-48	074-28-55	Tx1	TA-2304-2 DAB (45)	300	0	6822	200
NYC	007G	040-49-19	073-28-48	Tx1	TA-2350-DAB-H (360°)	0		11724	290
NYC	010A	040-13-45	074-05-24	Tx1	TA-2304-2 DAB-H (120)	150	0	34996	300
NYC	017C	040-28-45	074-28-30	Tx1	TA-2350-T6	0	0	6324	290
NYC	018A	040-24-46	074-36-07	Tx1	TA-2304-2-DAB(90)	250	0	3990	200
NYC	020B	040-50-45	074-36-36	Tx1	TA-2335-DAB-H –	330	0	7962	235
NYC	021B	040-43-01	073-34-55.2	Tx1	TA-2350-DAB-H (360°)	0		12178	200
NYC	027A	040-23-45.1	074-10-25.0	Tx1	TA-2304-2-DAB-H (120)	140	0	16070	200
NYC	028C	040-51-40.5	074-25-02.8	Tx1	TA-2304-2-DAB-H (45)	300	0	40000	100
NYC	033A	040-19-15.9	074-07-49.6	Tx1	TA-2304-2-DAB-H (120)	150	0	15886	300
NYC	046A	040-34-42	074-13-20	Tx1	TA-2335-DAB-H	135	0	15600	80
NYC	079D	040-43-02	073-20-06	Tx1	TA-2350-DAB-H (360°)	0		7562	260
NYC	129A	040-50-47.3	073-01-52.9	Tx1	TA-2350-DAB-H (360°)			11980	273
NYC	131C	040-59-25.4	074-01-49.4	Tx1	TA-2304-2-DAB (120)	0	0	4200	150
NYC	132H	040-02-34.5	073-46-42.5	Tx1	TA-2304-2-DAB (120)	190	4	2432	190
NYC	216A	040-33-53.3	074-19-46.2	Tx1	TA-2304-2-DAB (120)	220	0	2518	95
NYC	220A	040-20-36.4	074-35-51.2	Tx1	TA-2335-DAB-H	250	0	18664	187
NYC	220A	040-20-36.4	074-35-51.2	Tx2	TA-2335-DAB-H	200	0	18664	177
NYC	230A	040-15-30	074-38-59	Tx1	TA-2335-DAB-H (95°)	150		13542	247
NYC	230A	040-15-30	074-38-59	Tx2	TA-2335-DAB-H	270		13542	247
NYC	581A	040-53-50	072-54-56	Tx1	TA-2350-DAB-H (360°)			10752	350
NYC	611B	040-24-11	074-02-39.4	Tx1	TA-2304-2-DAB (120)	160	0	5040	250

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation			
OKC	001B	035-35-52.0	097-29-22.0	Tx1	TA-2335-DAB-H	60	0	13520	400
OKC	503A	035-30-02	097-18-05	Tx1	TA-2304-2-DAB(90)	120	0	2890	173

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Power	Height (AMSL)	Height (AGL)
ORL	001C	028-24-23.6	081-22-57.8	Tx1	TA-2304-2-DAB(160)	180	2	2498	236
ORL	002A	028-36-14.1	081-17-15.4	Tx1	TA-2335-DAB	90	0	3112	167
ORL	003E	028-32-29.7	081-30-38	Tx1	TA-2335-DAB	270	0	2920	185
ORL	005C	028-42-49	081-20-34	Tx1	TA-2304-2-DAB(120)	0	4	2858	400

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Downtilt	Site Elevation	Effective Radiated Power
PHI	002A	040-04-50	075-10-54	Tx1	TA-2304-DAB(90)	360	0	2170	350
PHI	005B	040-02-05	075-10-29	Tx1	TA-2304-DAB(120)	360	0	2064	200
PHI	013A	039-56-08	075-12-16	Tx1	TA-2304-2-DAB(90)	180	0	2514	250
PHI	018A	040-10-15	075-03-05	Tx1	TA-2304-2-DAB(120)	10	0	3010	250
PHI	020A	040-09-45	075-18-07	Tx1	TA-2335-DAB-H	330	6	4048	250
PHI	023B	039-58-28.6	075-25-19	Tx1	TA-2304-DAB(90)	330	0	2150	110
PHI	025A	040-01-32	075-19-59	Tx1	TA-2304-DAB(120)	0	0	2416	132
PHI	028A	040-04-6	075-19-32	Tx1	TA-2304-DAB(120)	360	0	2032	70
PHI	029A	040-05-22	075-21-53	Tx1	TA-2304-DAB(120)	320	0	2378	120
PHI	030B	040-09-41	075-23-27	Tx1	TA-2335-DAB-H	335	0	3038	175
PHI	032D	040-12-57	075-13-48	Tx1	TA-2304-DAB(90)	340	0	2290	110
PHI	033A	039-56-33	075-01-31	Tx1	TA-2304-DAB(120)	135	0	2342	148
PHI	037C	040-02-07	075-31-23	Tx1	TA-2304-DAB(90)	250	0	2184	130
PHI	046A	040-03-50	075-05-04	Tx1	TA-2304-DAB(90)	360	0	2050	150
PHI	048B	039-55-54	074-57-10	Tx1	TA-2335-DAB-H	180	0	2120	112
PHI	052A	040-09-14	075-07-14	Tx1	TA-2304-DAB(120)	10	0	2164	115
PHI	062B	039-44-53	075-32-49	Tx1	TA-2335-DAB-H	225	0	4166	430

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Downtilt	EIRP Total (watts)	Height AGL (feet)
PHO	001B	033-26-59.9	112-04-26.0	Tx1	TA-2335-DAB-H	0	3	4006	420
PHO	002B	033-17-30	111-58-14	Tx1	TA-2304-2-DAB (120)	60	5	2894	100
PHO	004A	033-36-48	111-54-46	Tx1	TA-2335-DAB-H	315	8	3212	128
PHO	006A	033-19-57	112-03-56	Tx1	TA-2304-2-DAB-H (160°)	27	8	40000	80
PHO	007A	033-35-41.5	112-05-12.1	Tx1	TA-2304-2-DAB (90)	0	8	4134	103
PHO	009A	033-24-59	111-39-10	Tx1	TA-2304-2-DAB (60)	90	8	6250	55
PHO	010B	033-23-10.8	111-55-36.0	Tx1	TA-2304-2-DAB (60)	100	8	6980	66
PHO	101A	032-14-57	111-06-57	Tx1	TA-2304-2-DAB-H (160°)	100	7	40000	80
PHO	102A	032-13-20.1	110-58-16.5	Tx1	TA-2304-2-DAB (90)	135	8	4134	265
PHO	103B	032-14-12.1	110-51-37.4	Tx1	TA-2304-2-DAB (90)	90	0	4006	91
PHO	508A	033-30-09.8	111-55-53.2	Tx1	TA-2335-DAB-H	0	3	3944	115

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Downtilt	ERP [illegible]	[illegible] AGL [illegible]
PIT	007A	040-29-37	079-58-25	Tx1	TA-2304-2-DAB(90)	360	0	3988	87
PIT	008C	040-27-39.7	079-55-19.2	Tx1	TA-2304-2-DAB(90)	90	0	5192	212
PIT	009A	040-28-22.2	080-05-25.4	Tx1	TA-2304-2-DAB(90)	270	0	5132	109
PIT	012A	040-28-20.2	079-59-40.1	Tx1	TA-2335-DAB-H	60	5	8078	715
PIT	012A	040-28-20.2	079-59-40.1	Tx2	TA-2335-DAB-H	180	7	8078	715
PIT	012A	040-28-20.2	079-59-40.1	Tx3	TA-2335-DAB-H	300	5	8078	715
PIT	013A	040-22-27.9	080-00-02.7	Tx1	TA-2304-2-DAB(120)	180	0	2696	135
PIT	015E	040-35-24	080-00-35	Tx1	TA-2335-DAB-H	60	3	11416	380
PIT	015E	040-35-24	080-00-35	Tx3	TA-2335-DAB-H	300	3	11416	380
PIT	017A	040-25-56	079-52-04.1	Tx1	TA-2335-DAB-H	90	3	4066	240
PIT	023A	040-31-40	080-03-44	Tx1	TA-2304-2-DAB(90)	330	0	3604	135
PIT	025C	040-36-17	079-46-11	Tx1	TA-2304-2-DAB(120)	40	0	3582	200
PIT	027B	040-23-16.3	080-02-38.6	Tx1	TA-2304-2-DAB(90)	190	0	5364	130
PIT	029B	040-26-44	079-51-04	Tx1	TA-2335-DAB (120°)	30	6	2148	78
PIT	029B	040-26-44	079-51-04	Tx2	TA-2335-DAB (120°)	150	2	2148	78
PIT	032B	040-21-01	080-01-16	Tx1	TA-2335-DAB-H	225	0	4342	250
PIT	033A	040-20-35.1	079-57-42.7	Tx1	TA-2304-2-DAB(45)	145	0	7982	115
PIT	034A	040-31-48.5	079-45-19	Tx1	TA-2335-DAB-H	20	3	3416	292
PIT	037B	040-21-56.7	079-52-26.8	Tx1	TA-2335-DAB-H	115	0	2392	130
PIT	038A	040-19-17.99	079-52-38.99	Tx2	TA-2335-DAB-H	170	5	15174	390
PIT	047B	040-09-50	079-54-34	Tx1	TA-2304-2-DAB(160)	135	0	2706	68
PIT	059A	040-23-05	079-41-34	Tx1	TA-2335-DAB-H	10	9	2008	300
PIT	059A	040-23-05	079-41-34	Tx2	TA-2335-DAB-H	120	5	2008	300
PIT	061A	040-33-42.9	080-06-30.9	Tx2	TA-2335-DAB-H	290	0	3760	180
PIT	062A	040-19-49	079-48-35.3	Tx1	TA-2335-DAB-H	70	3	2448	135
PIT	062A	040-19-49	079-48-35.3	Tx2	TA-2335-DAB-H	180	5	2448	135
PIT	063A	040-31-00.3	079-58-57	Tx1	TA-2304-2-DAB(160)	0	0	2500	107
PIT	064A	040-22-35	079-55-25	Tx1	TA-2335-DAB-H	120	3	3308	155

POR	003B	045-30-57.8	122-44-3.1	Tx1	TA-2350-DAB-H (360°)	0	0	21194	390
POR	005B	045-38-14	122-41-34	Tx1	TA-2304-2-DAB(90)	0	0	3640	102
POR	010A	045-25-05.9	122-38-49.80	Tx1	TA-2304-2-DAB(90)	160	0	3990	110
POR	012C	045-21-42	122-36-39	Tx1	TA-2304-2-DAB(120)	180	0	3320	87
POR	015B	045-20-39	122-41-33	Tx1	TA-2304-2-DAB(90)	180	0	3396	117
POR	017B	045-29-20	122-41-40	Tx1	TA-2304-2-DAB (360°)	180	0	2028	375
POR	019C	045-27-07	122-32-52	Tx1	TA-2304-2-DAB(90)	135	0	4688	150
POR	021A	045-31-16	122-33-39	Tx1	TA-2304-2-DAB(90)	90	0	3320	126
POR	023A	045-38-19	122-36-21	Tx1	TA-2304-2-DAB(90)	30	0	3810	110
POR	027A	045-46-16	122-35-44.8	Tx1	TA-2304-2-DAB(120)	0	0	4376	135
POR	029A	045-15-56	122-40-40	Tx1	TA-2304-2-DAB(90)	190	0	3556	138
POR	030A	045-43-37	122-39-05	Tx1	TA-2304-2-DAB(160)	0	0	2296	105
POR	032A	045-30-20	122-46-49	Tx1	TA-2304-2-DAB(90)	270	0	3810	83
POR	034B	045-22-23	122-42-43	Tx1	TA-2304-2-DAB(160)	180	0	2460	108
POR	035A	045-25-36	122-42-05	Tx1	TA-2304-2-DAB(60)	180	0	5636	92
POR	036B	045-27-37.6	122-29-02.6	Tx1	TA-2304-2-DAB(90)	90	0	3810	134
POR	037A	045-25-24	122-28-29	Tx1	TA-2304-2-DAB(90)	135	0	3098	140

PRO	004A	041-44-32	071-16-15	Tx1	TA-2335-DAB-H (120°)	0	13068	160
PRO	004A	041-44-32	071-16-15	Tx2	TA-2335-DAB-H (120°)	120	13068	160
PRO	004A	041-44-32	071-16-15	Tx3	TA-2335-DAB-H (120°)	240	13068	160
PRO	007A	041-41-49	071-33-54	Tx1	TA-2335-DAB-H (120°)	0	9342	115
PRO	007A	041-41-49	071-33-54	Tx2	TA-2335-DAB-H (120°)	120	9342	115
PRO	007A	041-41-49	071-33-54	Tx3	TA-2335-DAB-H (120°)	240	9342	115
PRO	009A	041-45-34.0	071-29-01.0	Tx1	TA-2335-DAB-H (120°)	0	12928	162
PRO	009A	041-45-34.0	071-29-01.0	Tx2	TA-2335-DAB-H (120°)	120	12928	162
PRO	009A	041-45-34.0	071-29-01.0	Tx3	TA-2335-DAB-H (120°)	240	12928	162
PRO	010A	041-39-35	071-29-58	Tx1	TA-2335-DAB-H (120°)	0	12928	168
PRO	010A	041-39-35	071-29-58	Tx2	TA-2335-DAB-H (120°)	120	12928	168
PRO	010A	041-39-35	071-29-58	Tx3	TA-2335-DAB-H (120°)	240	12928	168
PRO	011A	041-48-28	071-28-22	Tx1	TA-2335-DAB-H (120°)	0	12380	200
PRO	011A	041-48-28	071-28-22	Tx2	TA-2335-DAB-H (120°)	120	12380	200
PRO	011A	041-48-28	071-28-22	Tx3	TA-2335-DAB-H (120°)	240	12380	200
PRO	012A	041-47-39	071-20-53	Tx1	TA-2335-DAB-H (120°)	0	13068	164
PRO	012A	041-47-39	071-20-53	Tx2	TA-2335-DAB-H (120°)	120	13068	164
PRO	012A	041-47-39	071-20-53	Tx3	TA-2335-DAB-H (120°)	240	13068	164

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Downtilt	ERP Total (watts)	Height AGL
RAL	002A	035-47-16.9	078-43-13.4	Tx1	TA-2304-2-DAB(120)	135	0	4820	350
RAL	005B	035-45-52.8	078-48-49.5	Tx1	TA-2304-2-DAB(90)	180	0	3732	108
RAL	007A	035-52-44.8	078-00-55.6	Tx1	TA-2304-2-DABH(90)	135	0	40000	200
RAL	009A	035-54-52	079-03-17.7	Tx1	TA-2304-2-DAB(120)	220	0	3468	100
RAL	011A	035-50-35	078-41-04.0	Tx1	TA-2304-2-DAB(120)	120	0	3640	167
RAL	013A	035-46-28	078-38-24	Tx1	TA-2304-2-DAB(90)	100	0	3134	440
RAL	016C	035-57-23.2	078-55-44.4	Tx1	TA-2304-2-DAB(120)	135	4	5382	130
RAL	017B	035-57-42.6	078-59-52.8	Tx1	TA-2350-DAB-H (360°)	0	2	11664	345
RAL	018A	035-58-04.5	078-52-07.7	Tx1	TA-2304-DAB(45)	160	0	2852	184
RAL	022A	035-52-49.3	078-37-39	Tx1	TA-2304-2-DAB(120)	30	0	2302	458
RAL	026A	035-52-15.5	078-40-41.9	Tx1	TA-2304-2-DAB(90)	45	0	3134	150
RAL	028A	035-44-49	078-41-40	Tx1	TA-2304-2-DAB(90)	135	0	3184	155
RAL	029B	035-47-21.2	078-40-44.9	Tx1	TA-2304-2-DAB(90)	60	6	3732	320

RIC	005D	037-32-21	077-31-10	Tx1	TA-2335	180	0	4204	174
RIC	008A	037-32-14	077-26-11.6	Tx1	TA-2304-2-160	125	0	2276	368
RIC	009A	037-36-52	077-30-55	Tx1	TA-2350-DAB-H	0	0	10988	405
RIC	020A	037-30-09	077-27-09	Tx1	TA-2335	190	0	4368	220
RIC	024C	037-26-21	077-25-57	Tx1	TA-2304-2-160	160	0	2638	240
RIC	030A	037-32-02.4	077-21-44.1	Tx1	TA-2304-2-90	90		3800	128
RIC	032A	037-34-57.0	077-20-05.7	Tx1	TA-2304-2-90	45		3510	150
RIC	033A	037-28-8.07	077-30-0.94	Tx1	TA-2304-2-90	180		3800	128
RIC	034A	037-30-44	077-36-06.7	Tx1	TA-2304-2-120	180		3934	200

ROC	002A	043-10-14	077-40-24	Tx1	TA-2350-DAB-H (360°)	0	0	12140	397
ROC	005B	043-09-29.0	077-36-19.0	Tx1	TA-2304-2-DAB-H (160)	90	0	24224	115

SAC	001C	038-32-57.7	121-25-17.6	Tx1	TA-2304-2-DAB-H(120)	235	4	3170	106
SAC	005C	038-34-57.0	121-30-05.0	Tx1	TA-2304-2-DAB(90)	270	0	3668	620
SAC	006A	038-40-21.8	121-19-55.5	Tx1	TA-2350-DAB-H (360°)	0	0	10200	247
SAC	007A	038-31-18.9	121-32-17.8	Tx1	TA-2304-2-DAB(90)	180	0	3072	113
SAC	008A	038-30-20	121-28-06	Tx1	TA-2304-2-DAB(120)	180	0	2864	65
SAC	512A	038-38-34	121-05-30	Tx2	TA-2304-2-DAB-H (45°)	320	0	19998	78

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Beam Tilt	Radiated Power (watts)	Height (meters)
SAN	001A	029-24-08.3	098-26-30.9	Tx1	TA-2335-DAB	90	0	3050	170
SAN	005A	029-27-32	098-33-6.8	Tx1	TA-2335-DAB-H	340	0	3702	110
SAN	006A	029-29-20.6	098-26-51.2	Tx1	TA-2335-DAB-H	45	0	3470	120
SAN	007A	029-29-56.4	098-19-12.3	Tx1	TA-2335-DAB-H	70	0	3050	175
SAN	008B	029-21-39.3	098-26-16.9	Tx1	TA-2335-DAB-H	160	0	4606	194
SAN	010A	029-28-34.9	098-38-18.0	Tx1	TA-2335-DAB-H	30	0	2038	300
SAN	011A	029-32-39.1	098-34-50.1	Tx1	TA-2335-DAB-H	0	0	3050	167
SAN	012B	029-27-54.3	098-28-41.6	Tx1	TA-2304-2-DAB(120)	350	0	2846	286
SAN	016A	029-27-00	098-41-47	Tx1	TA-2335-DAB-H	270	6	4200	260

SDX	002B	032-43-05.7	117-09-57.5	Tx1	TA-2304-DAB(120)	270	3	2518	359
SDX	005B	032-46-49.0	117-08-07	Tx1	TA-2335-DAB-H	290	3	3396	136
SDX	006B	033-00-30.7	116-58-18.6	Tx1	TA-2335-DAB-H	0	8	3594	54
SDX	007B	032-41-47.4	116-56-06.5	Tx1	TA-2304-2-DAB-H (60°)	300	6	40000	78
SDX	008A	032-33-44.0	117-02-03.6	Tx1	TA-2335-DAB	235	3	3990	55
SDX	012B	032-49-40.8	116-56-25.3	Tx1	TA-2335-DAB	45	5	5036	17
SDX	013A	032-48-24.9	117-12-55.3	Tx1	TA-2304-DAB (60°)	315	0	6000	61
SDX	015C	032-52-08.1	117-13-19.4	Tx1	TA-2304-2-DAB(60)	315	3	6398	239
SDX	016C	032-45-56.2	117-14-20.0	Tx1	TA-2304-2-DAB(45)	340	8	5024	174
SDX	017B	032-54-45.1	117-06-52.1	Tx1	TA-2304-2-DAB(60)	30	3	6398	101
SDX	018C	033-06-39.2	117-09-10.0	Tx1	TA-2304-2-DAB(90)	0	3	3556	36
SDX	019C	032-59-26.8	117-15-11.3	Tx1	TA-2335-DAB (120°)	315	0	3990	36
SDX	021A	033-13-20.8	117-21-47.5	Tx1	TA-2335-DAB	270	3	3170	80
SDX	023A	033-12-52.3	117-11-12.4	Tx1	TA-2335-DAB	290	6	3990	50
SDX	024A	033-03-03.0	117-16-02.0	Tx1	TA-2304-DAB(45)	330	8	5508	78
SDX	504D	032-50-23.6	117-14-51.0	Tx1	TA-2335-DAB	315	9	3990	60

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Downtilt	EIRP for Antenna	Height AGL (feet)
SEA	001B	047-58-09	122-12-48	Tx1	TA-2304-2-DAB(60)	0	0	5970	170
SEA	002A	047-36-17	122-19-47	Tx1	TA-2304-2-DAB(45)	330	0	7604	630
SEA	003B	047-37-01	122-11-47	Tx1	TA-2304-2-DAB(45)	345	6	7430	330
SEA	004B	047-45-53.6	122-09-00.4	Tx1	TA-2304-2-DAB(90)	0	0	5260	48
SEA	005B	047-13-21	122-12-26	Tx1	TA-2304-2-DAB(45)	210	0	6776	140
SEA	006A	047-35-16.5	122-18-56.7	Tx1	TA-2304-2-DAB(160)	270	0	2698	157
SEA	007A	047-23-31	122-17-38	Tx1	TA-2304-2-DAB(160)	225	0	2518	75
SEA	008B	047-18-21.5	122-14-39.6	Tx1	TA-2304-2-DAB(120)	220	0	3320	75
SEA	011A	047-32-40	122-06-26.	Tx1	TA-2350-DAB-H (360°)	0	2	13816	170
SEA	012A	047-57-10	122-21-53	Tx1	TA-2335-DAB-H		0	3436	100
SEA	013A	047-51-48.2	122-17-03.9	Tx1	TA-2304-2-DAB(90)	10	0	2826	175
SEA	014A	047-36-57	122-18-30.5	Tx1	TA-2335-DAB-H	270	0	2958	180
SEA	015A	047-54-35.9	122-12-26.8	Tx1	TA-2304-2-DAB(90)	0	0	2890	150
SEA	016A	047-40-51.8	122-10-52.4	Tx1	TA-2304-2-DAB(90)	340	0	5260	60
SEA	018A	047-30-11.3	122-17-11.9	Tx1	TA-2304-2-DAB(90)	225	0	3640	113
SEA	019C	047-45-36.4	122-18-46.9	Tx1	TA-2304-2-DAB(90)	330	0	2958	120
SEA	020B	047-27-32	122-17-13.6	Tx1	TA-2304-2-DAB(45)	200	0	7780	105
SEA	021B	047-04-04	122-44-11	Tx1	TA-2304-2-DAB(90)	235	0	3810	100
SEA	022A	047-41-45.5	122-19-03.8	Tx1	TA-2304-2-DAB(90)	0	0	2890	115
SEA	024A	047-47-52	122-33-47	Tx1	TA-2335-DAB-H	90	0	3640	116
SEA	027B	047-31-13	122-21-28	Tx1	TA-2304-2-DAB(45)	180	0	10990	43
SEA	028A	47-18-15.8	122-24-44.1	Tx1	TA-2304-2-DAB(60)	210	3	6180	80
SEA	030A	047-10-25	122-29-33	Tx1	TA-2335-DAB-H	120	0	13522	163
SEA	033B	047-37-54.0	122-21-41.5	Tx1	TA-2304-2-DAB(45)	0	0	7962	80
SEA	034A	047-46-38	122-12-29	Tx1	TA-2304-2-DAB(90)	30	0	3556	130
SEA	035B	048-01-28.9	122-06-43.0	Tx1	TA-2304-2-DAB(60)	0	0	2350	160
SEA	039A	047-42-29	122-10-48	Tx1	TA-2304-2-DAB(120)	0	0	3320	82
SEA	041A	047-50-12	122-07-32	Tx1	TA-2304-2-DAB(90)	0	0	3028	158
SEA	042A	047-55-30	122-06-02.6	Tx1	TA-2304-2-DAB(45)	0	0	6040	185
SEA	044A	047-48-48.9	122-13-45.9	Tx1	TA-2304-2-DAB(90)	0	0	3640	115
SEA	050A	047-39-36.9	122-18-52.1	Tx1	TA-2335-DAB-H	0	0	3990	260
SEA	052B	047-30-14.9	122-10-28.8	Tx1	TA-2304-2-DAB(60)	350	0	3170	95
SEA	053A	047-21-24	122-09-52	Tx1	TA-2304-2-DAB(160)	210	0	2404	92
SEA	054A	047-47-39	122-07-59	Tx1	TA-2304-2-DAB(120)	0	0	3170	85
SEA	055A	047-02-47	122-49-27	Tx1	TA-2304-2-DAB(120)	235	0	2460	150
SEA	056A	046-47-19.4	122-20-23.4	Tx1	TA-2304-2-DAB(60)	20	0	5260	130
SEA	510A	047-16-41	122-30-42	Tx1	TA-2304-2-DAB(45)	200	0	7430	400
SEA	525D	047-15-47	122-20-54	Tx2	TA-2335-DAB-H	150	0	16636	220
SEA	525D	047-15-47	122-20-54	Tx3	TA-2335-DAB-H	260	0	16636	220
SEA	526B	047-28-13	122-19-57	Tx1	TA-2304-2-DAB(120)	225	0	4326	70
SEA	531B	047-09-37	122-34-35	Tx1	TA-2304-2-DAB(45)	215	0	6180	134

SFX	005A	037-47-20	122-24-21	Tx1	TA-2304-2-DAB(120)	0	0	3158	440
SFX	007A	037-41-20	122-26-13	Tx1	TA-2350-H-T6	0	0	11560	145
SFX	008A	037-40-16	122-29-22	Tx1	TA-2304-2-DAB(45)	180	0	7446	50
SFX	010A	037-25-16	122-08-27	Tx1	TA-2335-DAB-H	190	0	3974	140
SFX	021E	037-20-03	121-53-43	Tx1	TA-2304-2-DAB(120)	150	0	3936	166
SFX	033A	037-48-11	122-16-18	Tx1	TA-2335-DAB-H	60	0	2722	365
SFX	058A	037-42-3.4	121-46-8	Tx1	TA-2304-2-DAB(120)	180	0	2964	60
SFX	064A	037-59-19.0	121-48-17	Tx1	TA-2304-DAB(90)	90	0	2066	90
SFX	072A	038-30-31	122-39-41	Tx1	TA-2304-2-DAB-H(90)	270	0	27222	170
SFX	107B	037-32-51	122-18-29	Tx1	TA-2304-2-DAB (90°)	180		4534	140
SFX	108B	037-33-44	122-19-33	Tx1	TA-2335-DAB-H	210	4	3394	178
SFX	110A	037-27-25	122-16-16	Tx1	TA-2304-2-DAB (45°)	180	0	7840	18
SFX	111B	038-00-42.8	122-14-21.5	Tx1	TA-2304-2-DAB(160)	70	0	2548	8
SFX	114B	037-32-09	122-20-11	Tx1	TA-2304-2-DAB (120°)	200	0	2452	54
SFX	117A	037-58-39	122-19-9.8	Tx1	TA-2335-DAB-H	45	0	4234	75
SFX	118C	037-39-20.5	122-24-4	Tx1	TA-2304-DAB(90)	225	0	2164	111
SFX	120B	037-57-20	122-21-36	Tx1	TA-2335-DAB-H	90	0	3088	130
SFX	121B	037-49-32	122-12-35	Tx1	TA-2304-2-DAB(45)	330	6	7806	27
SFX	122A	037-29-24	122-13-42	Tx1	TA-2304-2-DAB (160°)	230	0	2560	85
SFX	123A	037-39-33.5	122-05-40.0	Tx1	TA-2335-DAB-H	60	0	3852	53
SFX	126A	037-47-54	122-25-3	Tx1	TA-2304-2-DAB (60°)	260	2	6200	235
SFX	129A	038-26-33	122-40-24	Tx1	TA-2304-2-DAB (45°)	320	0	7214	35
SFX	132A	037-25-21	121-55-10	Tx1	TA-2335-DAB-H	170	0	3974	125
SFX	136A	037-28-50	122-12-1.5	Tx1	TA-2304-2-DAB(60)	170	0	6142	185
SFX	137B	037-16-58	121-52-08	Tx1	TA-2304-2-DAB(160)	160	0	2280	38
SFX	138A	037-20-49	121-56-25	Tx1	TA-2335-DAB-H	185	2	3732	140
SFX	139B	037-26-49	122-10-5	Tx1	TA-2304-2-DAB(60)	170	0	6104	148
SFX	140A	037-29-22	121-56-44.9	Tx1	TA-2335-DAB-H	90	0	3582	111
SFX	141A	037-44-41	122-27-11	Tx1	TA-2304-2-DAB (120°)	300	0	3058	41
SFX	142B	037-46-46.9	122-29-10.5	Tx1	TA-2304-2-DAB (45)	45	0	6162	45
SFX	143A	037-22-18.3	121-55-18.8	Tx1	TA-2335-DAB-H	160	0	3852	136
SFX	146B	037-39-48	121-53-19	Tx1	TA-2304-2-DAB(120)	140	0	2612	65
SFX	150B	037-19-5.6	121-56-51.1	Tx1	TA-2304-2-DAB (120°)	170	0	2748	122
SFX	151A	037-23-26	122-04-53.7	Tx1	TA-2335-DAB-H	180	0	3674	142
SFX	152C	037-23-2.52	121-58-42.6	Tx1	TA-2304-2-DAB(45)	180	0	2108	106
SFX	155B	037-12-33	121-46-30	Tx1	TA-2335-DAB-H	90	3	2638	127
SFX	164A	037-32-24.9	122-04-56.1	Tx1	TA-2335-DAB-H	90	0	3416	30
SFX	202A	038-03-35.0	122-36-17.0	Tx1	TA-2304-DAB(45)	0	12	3912	40
SFX	203A	038-17-17	122-13-40	Tx1	TA-2304-DAB(45)	310	9	3616	80
SFX	205B	038-13-18	122-39-12	Tx1	TA-2304-2-DAB(90)	45	0	4102	44
SFX	208C	038-06-04.3	122-15-23.7	Tx1	TA-2335-DAB-H	55	0	4772	65
SFX	209A	038-00-25	122-08-54	Tx1	TA-2304-2-DAB(160)	110	0	2430	60
SFX	214B	037-58-5.3	122-03-03.2	Tx1	TA-2304-2-DAB(160)	160	0	2142	139
SFX	250A	037-43-51.4	121-55-58.6	Tx1	TA-2304-DAB(60)	145	0	3416	32
SFX	254A	037-41-56.8	121-55-41.0	Tx1	TA-2304-2-DAB(120)	160	0	2096	62
SFX	255A	038-00-29.2	121-54-12.8	Tx1	TA-2304-DAB(90)	90	0	2236	55
SFX	506B	037-45-35	122-27-45	Tx1	TA-2304-2-DAB (160°)	330		2840	145
SFX	556B	037-19-13.0	122-08-33.0	Tx1	TA-2335-DAB-H	165	0	3974	45
SFX	630A	038-18-45	122-29-00	Tx1	TA-2304-2-DAB(120)	320	0	2268	88
SFX	701B	037-52-39.0	122-02-33.9	Tx1	TA-2304-2-DAB(90)	160	0	3616	15
SFX	716B	037-32-31.7	121-58-22.7	Tx1	TA-2335-DAB-H	100	0	4102	98
SFX	717A	037-27-28.9	121-55-15.6	Tx1	TA-2304-2-DAB (90°)	120	0	3906	50

SLC	001A	040-15-04	111-39-17	Tx1	TA-2304-2-DABI(90)	150	0	4178	240
SLC	001A	040-15-04	111-39-17	Tx2	TA-2304-2-DABI(90)	330	0	4178	240
SLC	004B	041-06-36	111-57-10	Tx1	TA-2304-2-DAB(90)	180	0	3810	107
SLC	008A	040-58-56.9	111-54-31.0	Tx1	TA-2304-2-DAB(90)	180	0	3640	110
SLC	014A	040-48-29	111-53-25	Tx1	TA-2335-DAB-H	180	0	34756	100
SLC	015A	040-05-22	111-49-17	Tx1	TA-2335-DAB-H	160	0	3810	78
SLC	016A	041-15-17	112-14-14	Tx1	TA-2304-2-DAB-H (160°)	90	0	25750	290

Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Down	Elevation	AGL
SPR 001A	042-06-09.5	072-35-33.5	Tx1	TA-2335-DAB	90	0	2128	445
SPR 002A	042-09-30	072-38-59	Tx1	TA-2350-DAB-H (360°)	0	2	10050	143
SPR 003B	042-08-21	072-32-40	Tx1	TA-2335-DAB-H	90	6	15418	144
SPR 004A	042-03-20.3	072-35-30.1	Tx1	TA-2350-DAB-H (360°)	0	2	9738	150
SPR 005A	042-14-30	072-38-54	Tx1	TA-2304-2-DAB (60°)	135	15	6420	30

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Beam		
STL	002A	038-42-55.0	090-20-45	Tx1	TA2304-2-(160)	320	0	2196	144
STL	003A	038-38-06.5	090-20-46.5	Tx1	TA2304-2-160	270	0	2918	349
STL	004A	038-46-28	090-16-27	Tx1	TA2304-2-(120)	0	0	3202	204
STL	006A	038-37-38.7	090-11-25.7	Tx1	TA2304-2-160	270	0	2840	499
STL	009D	038-35-30.5	090-18-12.5	Tx1	TA2335-DAB	225	0	4718	113
STL	010B	038-33-31.6	090-23-10.7	Tx1	TA2304-2-DAB-120	220	0	2804	112
STL	011B	038-38-26.4	090-30-44.6	Tx1	TA2335-DAB	270	0	4680	92
STL	012C	038-43-07.1	090-15-10.7	Tx1	TA2304-2-DAB 120	0	0	2912	105
STL	013B	038-42-41.8	090-19-12.1	Tx1	TA2304-2-DAB160	330	0	2314	100
STL	015A	038-47-54.0	090-28-50.4	Tx1	TA2335-DAB	270	0	4160	75
STL	016B	038-31-51.5	090-18-00.6	Tx1	TA2304-2-DAB120	220	0	2394	162
STL	017E	038-38-35	090-15-45	Tx1	TA2304-2-DAB-160	290	0	3458	349
STL	018A	038-35-00	090-16-20	Tx1	TA2304-2-DAB160	270	0	3468	110
STL	019B	038-41-40.6	090-26-55.3	Tx1	TA2304-2-DAB 120	270	0	3702	153
STL	022E	038-35-21.3	090-25-55.9	Tx1	TA2304-2-DAB120	240	0	2394	172
STL	023A	038-47-03.1	090-21-27.4	Tx1	TA2304-2-DAB 120	0	0	2912	110

City	Site Number	Site Latitude	Site Longitude	Transmitter Number	Antenna Type	Orientation	Power	Height AGL
SYR	001A	043-04-33	076-05-52.0	Tx1	TA-2304-2-DAB(120)	180	0	2620	110
SYR	002A	043-06-01.3	076-16-57.6	Tx1	TA-2335-DAB-H	280	0	16920	153
SYR	004A	043-02-49.0	076-08-32.0	Tx1	TA-2335-DAB-H	180	0	3514	270
SYR	007D	043-02-47.8	076-11-40.5	Tx1	TA-2304-2-DAB (120)	180	0	2792	93
SYR	008F	043-05-29.4	076-09-03.4	Tx1	TA-2335-DAB-H	180	0	3802	73
SYR	011C	043-08-40.0	076-11-02.3	Tx1	TA-2304-2-DAB-H (120)	180	0	25236	135
SYR	505A	043-07-32.2	076-03-37.1	Tx1	TA-2335-DAB-H	180	0	3406	103

City	Site Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Downtilt	EIRP Total in watts	Height AGL in feet
TAM	001A	028-03-06	082-44-12	Tx1	TA-2335-DAB-H	300	3	3666	295
TAM	002A	027-59-38.1	082-19-27.5	Tx1	TA-2304-DAB(90)	90	3	2570	250
TAM	003A	027-49-52.9	082-41-55.4	Tx1	TA-2335-DAB-H	200	3	4242	250
TAM	004C	027-45-27	082-44-27	Tx1	TA-2335-DAB-H	235	7	4678	230
TAM	005A	027-50-52.9	082-45-48.3	Tx1	TA-2335-DAB-H	240	7	3428	321
TAM	006A	028-02-10.5	082-27-07.3	Tx1	TA-2304-DAB(90)–	0	3	3010	190
TAM	007A	028-03-58	082-21-09	Tx1	TA-2304-DAB(120)	45		2586	180
TAM	008A	027-46-14.2	082-38-09.8	Tx1	TA-2335-DAB-H	200	6	3642	385
TAM	009C	027-53-41	082-48-01	Tx1	TA-2335-DAB-H	270	3	3262	158
TAM	010A	027-55-50.8	082-19-12.5	Tx1	TA-2304-DAB(90)	125	5	4688	250
TAM	012D	028-01-29.4	082-30-44.6	Tx1	TA-2304-DAB(60)	310	3	4848	180
TAM	013A	028-01-26.2	082-10-46.3	Tx1	TA-2304-DAB(120)	90	5	3034	270
TAM	014A	028-02-42	082-01-51	Tx1	TA-2304-DAB(160)	90	4	2476	300
TAM	015A	028-08-48.6	082-27-49.9	Tx1	TA-2304-DAB(120)	0	3	2508	185
TAM	017C	027-58-41.1	082-45-15.0	Tx1	TA-2335-DAB-H	280	0	3994	125

TOL	002B	041-38-40.8	083-42-18.6	Tx1	TA-2304-2-DAB(120)	60	0	2046	230
TOL	0048	041-32-10	083-36-03	Tx1	TA-2304-2-DAB(90)	280	0	3280	135

City	Number	Site Latitude	Site Longitude	Antenna Number	Antenna Type	Orientation	Downtilt	ERP (watts)	AGL (meters)
WDC	105F	038-56-58	077-04-46	Tx1	TA-2304-2-DAB-H(45)	40	8	7352	300
WDC	105F	038-56-58	077-04-46	Tx2	TA-2304-2-DAB-H(120)	260	9	26086	300
WDC	212B	038-51-12	077-24-01	Tx1	TA-2335-DAB-H	250	0	3556	120
WDC	215B	038-47-16.	077-19-49.	Tx1	TA-2335-DAB-H	225	0	30272	385
WDC	215B	038-47-16.	077-19-49.	Tx3	TA-2335-DAB-H	0	8	3396	385
WDC	220C	038-44-58	077-29-15	Tx1	TA-2304-2-DAB(120)	240	9	3944	152
WDC	222A	038-39-23.00	077-17-15.00	Tx1	TA-2304-2-DAB(120)	210	0	2518	200
WDC	232E	038-47-36	077-10-37	Tx2	TA-2335-DAB-H	160	6	13836	193
WDC	232E	038-47-36	077-10-37	Tx3	TA-2335-DAB-H	260	6	13836	193
WDC	235C	038-48-19.00	077-13-10.00	Tx1	TA-2304-2-DAB-H (45°)	0	0	7186	162
WDC	303A	039-06-59.0	077-04-29.0	Tx1	TA-2304-2-DAB(90)	330	0	2046	135
WDC	304A	039-05-04.0	077-08-51.0	Tx1	TA-2304-2-DAB(90)	330	0	5024	222
WDC	305C	039-08-03	077-08-31	Tx1	TA-2304-2-DAB(90)	330	0	3028	177
WDC	306B	039-11-32	077-09-05	Tx1	TA-2304-2-DAB(120)	280	0	2296	115
WDC	307A	039-06-53.00	077-11-59.00	Tx1	TA-2304-2-DAB(90)	280	0	3990	295
WDC	309B	039-01-02.0	077-09-07.3	Tx1	TA-2304-DAB(90)	180	5	3320	110
WDC	309B	039-01-02.0	077-09-07.3	Tx3	TA-2304-DAB (120°)	280	0	3230	110
WDC	313B	038-48-14	076-58-50	Tx1	TA-2304-2-DAB(45)	50	2	4688	169
WDC	317B	038-51-03.0	076-53-07.6	Tx1	TA-2335-DAB-H	100	0	10990	122
WDC	333A	039-01-47.31	076-44-24.00	Tx1	TA-2335-DAB-H (120°)	0	1	7604	478
WDC	333A	039-01-47.31	076-44-24.00	Tx2	TA-2335-DAB-H (120°)	120	1	7604	478
WDC	333A	039-01-47.31	076-44-24.00	Tx3	TA-2335-DAB-H (120°)	240	1	7604	478
WDC	334A	039-07-49.8	076-40-52.2	Tx1	TA-2335-DAB-H	110	0	3170	137
WDC	335A	039-10-20	076-46-35	Tx3	TA-2335-DAB-H	270	0	2404	320
WDC	336C	039-05-57.2	076-54-07.0	Tx1	TA-2355-DAB-H	270	0	2760	135
WDC	404C	039-20-46.7	076-35-53.8	Tx1	TA-2304-2-DAB(45)	50	0	5902	176
WDC	406D	039-17-15.0	076-45-18.0	Tx3	TA-2304-2-DAB-H(120)	310	0	35566	332
WDC	407E	039-19-57.6	076-41-56.2	Tx1	TA-2335-DAB-H	270	0	3170	162
WDC	408A	039-13-43.9	076-39-47.2	Tx1	TA-2335-DAB-H	180	0	2826	166
WDC	409A	039-12-02.4	076-37-47.2	Tx1	TA-2335-DAB-H	180	6	3320	130
WDC	410E	039-19-26.4	076-32-54.8	Tx1	TA-2304-2-DAB(120)	90	0	2576	410
WDC	411B	039-15-19.5	076-29-59	Tx1	TA-2335-DAB-H	0	0	2890	194
WDC	414B	039-22-39.9	076-43-19.5	Tx1	TA-2304-2-DAB(120)	330	0	2192	194
WDC	415B	039-26-49.0	076-16-19.0	Tx1	TA-2304-2-DAB-H (120°)	135	0	13556	600
WDC	416A	039-28-43.0	076-39-22.0	Tx1	TA-2304-DAB(120)	0	0	4376	150
WDC	419D	039-00-36.0	076-36-32.0	Tx1	TA-2335-DAB-H (120°)	330	2	10294	515
WDC	419D	039-00-36.0	076-36-32.0	Tx2	TA-2335-DAB-H (120°)	90	2	10294	515
WDC	419D	039-00-36.0	076-36-32.0	Tx3	TA-2335-DAB-H (120°)	210	2	10294	515
WDC	423A	039-25-46.0	076-27-01.0	Tx1	TA-2335-DAB-H	90	0	17420	
WDC	428C	039-04-05.0	076-40-53.0	Tx1	TA-2335-DAB-H	110	0	2460	192
WDC	430A	039-09-55.0	076-36-17.0	Tx2	TA-2335-DAB-H	130	0	4084	189
WDC	433B	039-25-04	076-33-25	Tx1	TA-2304-2-DAB(120)	0	0	3244	280
WDC	437A	038-59-03	076-31-22	Tx1	TA-2350-DAB-H (360°)	0	0	11350	400
WDC	501B	038-47-27.0	077-03-45.7	Tx1	TA-2335-DAB-H	180	0	4376	178
WDC	509A	039-24-30	076-39-57	Tx1	TA-2304-DAB(45)	60	0	2192	210
WDC	513A	038-52-47	077-10-18	Tx1	TA-2304-2-DAB-H	210	2	4338	280
WDC	734A	038-50-03.1	077-03-46.2	Tx1	TA-2304-2-DAB(120)	180	0	2350	167

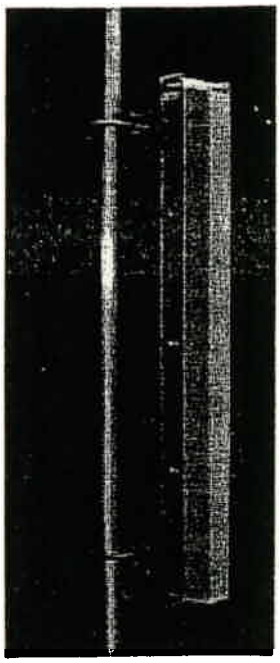
Exhibit B

Antenna Specification Sheets

TIL-TEK

TA-2304-2-DAB Adjustable Sector

2330 - 2345 MHz



The TA-2304-2-DAB is a medium power vertically polarized Sectoral antenna specifically designed for Digital Audio Broadcast transmission. The antenna is designed to provide field adjustable azimuth beamwidths of 45, 60, 90, 120 or 160 degrees by use of side panels. The antenna elements are at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 2330-2345 MHz
Gain: (dBi) 18 @ 45° 17 @ 60° 15 @ 90°
14 @ 120° 13 @ 160°
VSWR: 1.3:1 max.
Front/Back Ratio: 15 dB @ 180° ± 35°
Polarization: Linear Vertical
Power Rating: 200 Watts average, 800 Watts peak
H-Plane Beamwidth (-3 dBd):
Field Adjustable 45, 60, 90, 120, 160 degrees
E-Plane Beamwidth (-3 dBd): 7.5 degrees
Cross Pol. Discrimination: 15 dB
Impedance: 50 ohms nominal
Termination: 7/16 DIN female

Typical Mid band values. (For details, contact factory)

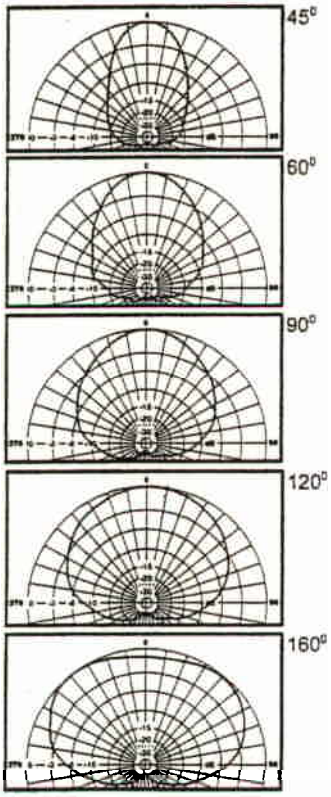
Mechanical Specifications

Length: 40 in. (1016 mm)
Width: 6.5 in. (165 mm)
Depth: 3.5 in. (89 mm)
Weight (Incl. Clamps): 10 lb. (4.5 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 150 lb. (68 kg)
Mounting Pipe: 0.75 - 3.0 in. (19 - 76 mm)

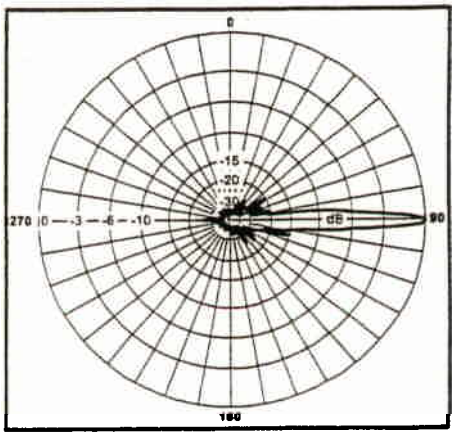
Materials

Radiating Elements: Tin plated copper on PCB
Reflector: Irridited aluminum
Radome: Gray UV stabilized ASA
Clamps: HDG steel

H-Plane



E-Plane



TIL-TEK

TA-2304-2-DAB-H
High Power Adjustable Sector
2330 - 2345 MHz

The TA-2304-2-DAB-H is a high power vertically polarized Sectoral antenna specifically designed for Digital Audio Broadcast transmission. The antenna is designed to provide field adjustable azimuth beamwidths of 45, 60, 90, 120 or 160 degrees by use of side panels. The antenna elements are at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 2330-2345 MHz
Gain: (dBi) 18 @ 45° 17 @ 60° 15 @ 90°
14 @ 120° 13 @ 160°
VSWR: 1.3:1 max.
Front/Back Ratio: 15 dB min.
Polarization: Linear Vertical
Power Rating: 2000 Watts avg., 8000 Watts peak
H-Plane Beamwidth (-3 dBd):
Field Adjustable 45, 60, 90, 120, 160 degrees
E-Plane Beamwidth (-3 dBd): 7 degrees
Cross Pol. Discrimination: 20 dB
Impedance: 50 ohms nominal
Termination: 7/8" EIA

Typical Mid band values. (For details, contact factory)

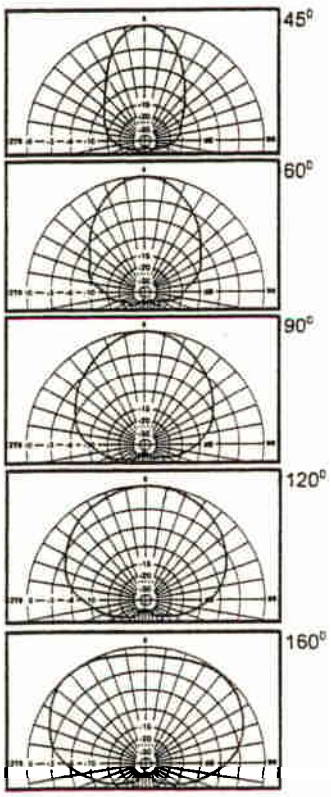
Mechanical Specifications

Length: 40 in. (1016 mm)
Width: 5 in. (127 mm)
Depth: 8.1 in. (206 mm)
Weight (Incl. Clamps): 15 lb. (6.8 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 86 lb. (39 kg)
Mechanical Tilt: 5° up, 15° down
Mounting Pipe: 0.75 - 3.0 in. (19 - 76 mm)

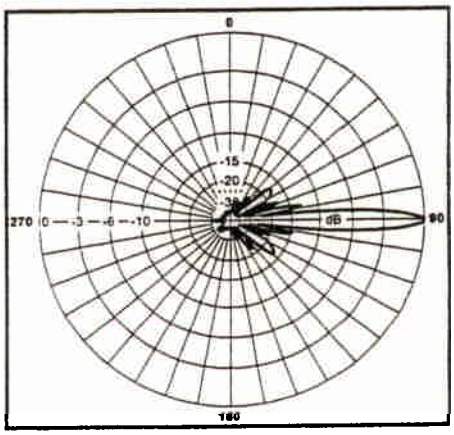
Materials

Radiating Elements: Plated copper on PCB
Reflector: Irridited aluminum
Radome: Gray UV stabilized ASA
Clamps: HDG steel

H-Plane



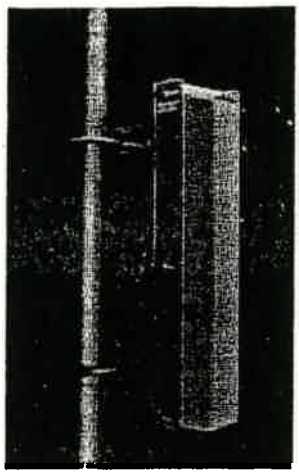
E-Plane



TIL-TEK

TA-2304-DAB Adjustable Sector

2330 - 2345 MHz



The TA-2304-DAB is a medium power vertically polarized Sectoral antenna specifically designed for Digital Audio Broadcast transmission. The antenna is designed to provide field adjustable azimuth beamwidths of 45, 60, 90, 120 or 160 degrees by use of side panels. The antenna elements are at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 2330-2345 MHz
Gain: (dBi) 18.5 @ 45° 14 @ 60° 13 @ 90°
12 @ 120° 10.5 @ 160°
VSWR: 1.4:1 max.
Front/Back Ratio: 20 dB @ 180° ± 35°
Polarization: Linear Vertical
Power Rating: 200 Watts average, 800 Watts peak
H-Plane Beamwidth (-3 dBd):
Field Adjustable 45, 60, 90, 120, 160 degrees
E-Plane Beamwidth (-3 dBd): 15 degrees
Cross Pol. Discrimination: 15 dB
Impedance: 50 ohms nominal
Termination: 7/16 DIN female

Typical Mid band values. (For details, contact factory)

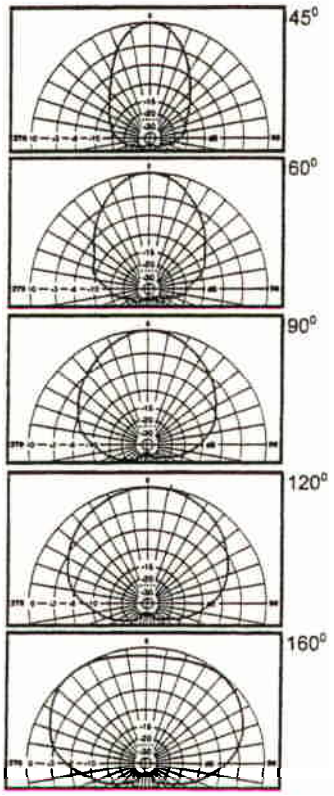
Mechanical Specifications

Length: 21 in. (533 mm)
Width: 6.5 in. (165 mm)
Depth: 3.5 in. (89 mm)
Weight (Incl. Clamps): 6 lb. (2.7 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 79 lb. (35.8 kg)
Mounting Pipe: 0.75 - 3.0 in. (19 - 76 mm)

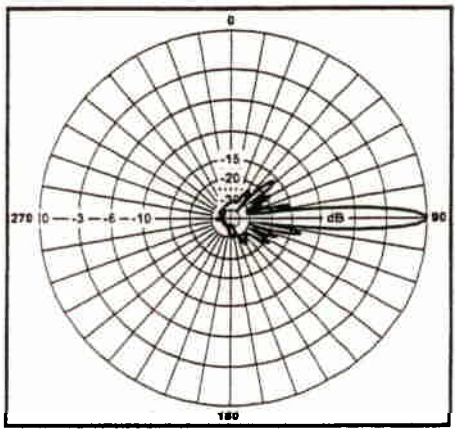
Materials

Radiating Elements: Tin plated copper on PCB
Reflector: Iridited aluminum
Radome: Gray UV stabilized ASA
Clamps: HDG steel

H-Plane

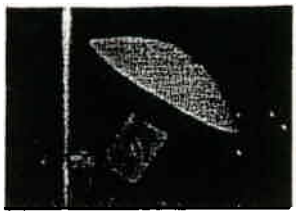


E-Plane



TIL-TEK

TA-2324-LHCP
Circular Polarized Solid Parabolic
2330 - 2345 MHz



The TA-2324-LHCP is a left hand circular polarized solid parabolic intended specifically as a receive antenna for satellite signals. The antenna elements are at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 2330-2345 MHz
Gain: (dBic) 21
VSWR: 1.3:1 max.
Polarization: Left Hand Circular
Power Rating: 200 Watts
Elevation (-3 dB): 13.5 degrees
Front to Back Ratio: 25 dB @ 180° ± 35°
Axial Ratio: 2.5 dB
Impedance: 50 ohms nominal
Termination: 7/16 DIN female (Extended Barrel)

Typical Mid band values. (For details, contact factory)

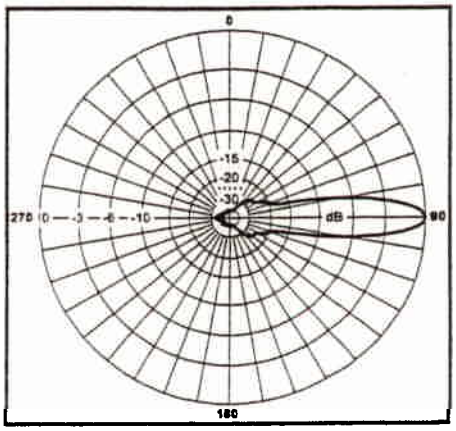
Mechanical Specifications

Diameter: 26 in. (660 mm)
Weight (Incl. Clamps): 28 lb. (12.7 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 127 lb. (57.6 kg)
Mechanical Tilt: Field adjustable from +25° to +60° using clamps supplied
Mounting Pipe: 1.75 - 4.0 in. (44.5 - 102 mm)

Materials

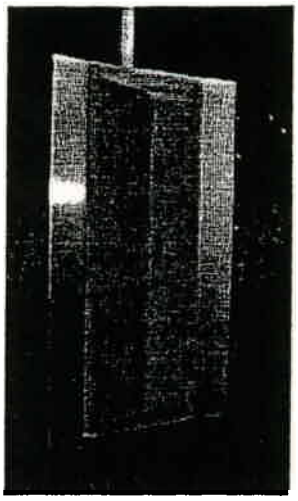
Radiating Elements: Tin plated copper on PCB
Radome: Gray ASA UV stabilized
Reflector: Painted Aluminum
Clamps: HDG steel

Elevation



TIL-TEK

TA-2335-DAB-H
High Power Sector
2330 - 2345 MHz



The TA-2335-DAB-H is a high power vertically polarized Sectoral antenna specifically designed for Digital Audio Broadcast transmission. The antenna is also designed to provide a shaped azimuth beamwidth of 95 degrees by use of shaped reflector phasing enabling multi-sector applications. The antenna elements are at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 2330-2345 MHz
Gain: (dBi) 15
VSWR: 1.4:1 min.
Front/Back Ratio: 20 dB
Polarization: Linear Vertical
Power Rating: 1000 Watts avg. 4000 peak
H-Plane Beamwidth: 95° @ -3dB, 120° @ -10dB
E-Plane Beamwidth: 7°
Cross Pol. Discrimination: 20 dB
Impedance: 50 ohms nominal
Termination: 7/16 DIN Female (extended barrel)

Typical Mid band values. (For details, contact factory)

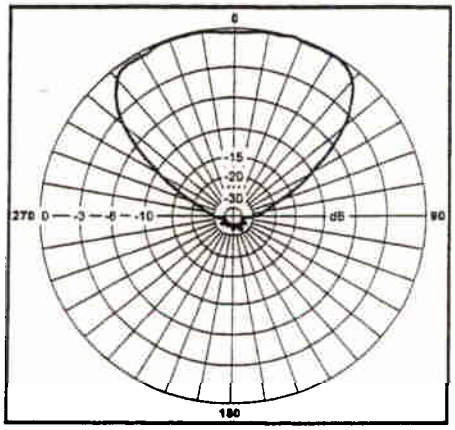
Mechanical Specifications

Length: 38 in. (965 mm)
Width: 21 in. (533 mm)
Depth: 8 in. (203 mm)
Weight (incl. Clamps): 33 lb. (15 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 344 lb. (156 kg)
Mechanical Tilt: 5° up, 10° down
Mounting Pipe: 0.75 - 3.0 in. (19 - 76 mm)

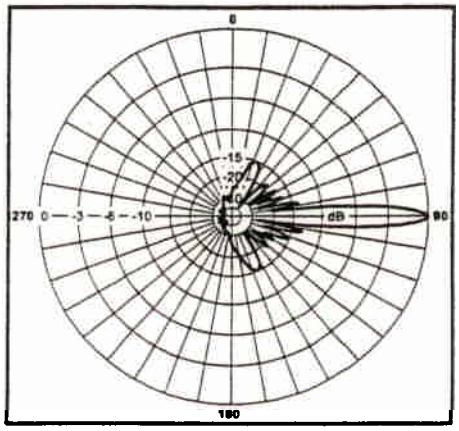
Materials

Radiating Elements: Gold-plated copper on PCB
Reflector: Irridited aluminum
Radome: Gray UV stabilized ASA
Clamps: HDG steel

H-Plane



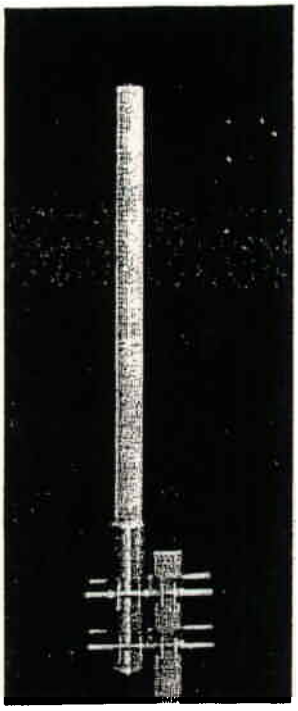
E-Plane



TIL-TEK

TA-2350-DAB Omnidirectional

2330 - 2345 MHz



The TA-2350-DAB is a medium power vertically polarized omnidirectional antenna specifically designed for Digital Audio Broadcast transmission. The antenna consists of a phased corporately fed broadband dipole array which is configured to provide electrical beam downtilt and null fill. The antenna elements are at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 2330-2345 MHz
Gain: (dBi) 10
VSWR: 1.4:1 max.
Polarization: Linear Vertical
Power Rating: 200 Watts average, 800 Watts peak
H-Plane Beamwidth: 360 degrees
E-Plane Beamwidth: 8 degrees
Electrical Downtilt: 2 degrees
Cross Pol. Discrimination: 20 dB min.
Null Fill: -20 dB (1st Null)
Impedance: 50 ohms nominal
Termination: 7/16 DIN female

Typical Mid band values. (For details, contact factory)

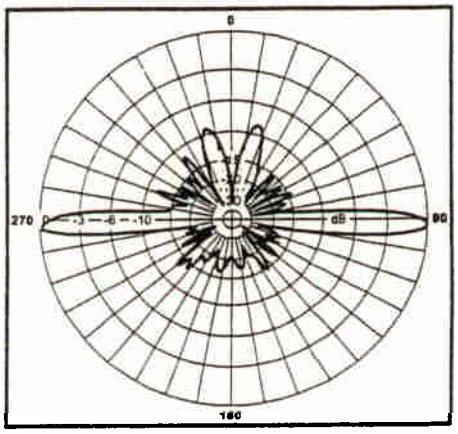
Mechanical Specifications

Length: 70 in. (1778 mm)
Diameter: 2.25 in. (57 mm)
Weight (Incl. Clamps): 15 lb. (6.8 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 31 lb. (14 kg)
Mounting Pipe: 1.75 - 4.0 in. (44.5 - 102 mm)

Materials

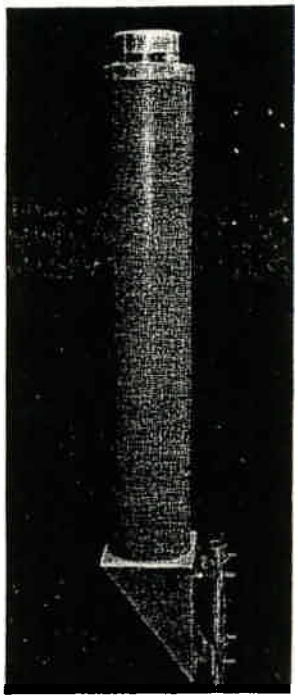
Radiating Elements: Nickel plated copper array
Radome: Gray UV stabilized fiberglass
Base: Irridited Aluminum
Clamps: HDG steel

E-Plane



TIL-TEK

TA-2350-DAB-H
High Power Omnidirectional
2330 - 2345 MHz



The TA-2350-DAB-H is a high power vertically polarized omnidirectional antenna specifically designed for Digital Audio Broadcast transmission. The antenna consists of a phased corporately fed broadband dipole array which is configured to provide electrical beam downtilt and null fill. The antenna elements are at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 2330-2345 MHz
Gain: (dBi) 10
VSWR: 1.3:1 min.
Polarization: Linear Vertical
Power Rating: 2000 Watts avg. 8000 peak
H-Plane Beamwidth: 360 degrees
E-Plane Beamwidth: 8 degrees
Cross Pol. Discrimination: 15 dB
Electrical Downtilt: 2 degrees
Null Fill: -20 dB (1st Null)
Impedance: 50 ohms nominal
Termination: 7/8" EIA Flange

Typical Mid band values. (For details, contact factory)

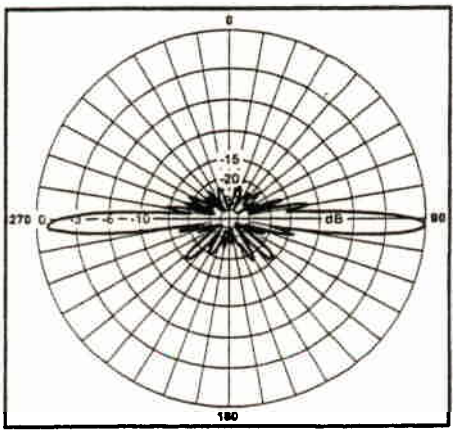
Mechanical Specifications

Length: 64 in. (1625 mm)
Diameter: 8 in. (203 mm)
Weight (Incl. Clamps): 49 lb. (22.3 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 148 lb. (67 kg)
Mounting Pipe: 1.75 - 4.0 in. (44.5 - 102 mm)

Materials

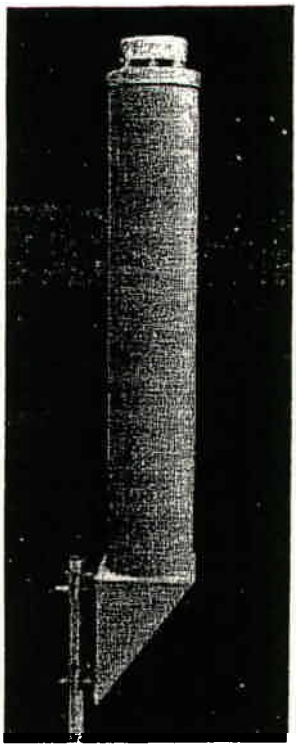
Radiating Elements: Tin-plated copper on PCB
Reflector: Irridited aluminum
Radome: Gray Fiberglass
Clamps: HDG steel

E-Plane



TIL-TEK

TA-2355-LCC
Shaped Gain Omnidirectional
2330 - 2345 MHz



The TA-2355-LCC is a medium power vertically polarized shaped gain omnidirectional antenna specifically designed for Digital Audio Broadcast transmission. The antenna consists of a phased corporately fed broadband dipole array which is configured to provide electrical beam downtilt, null fill and proprietary LCC radiation pattern envelopes. The antenna elements are at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 2330-2345 MHz
Gain: (dBi) 13 ±1 @ 0° ±50°
7 ±1 @ 180° ±120°
VSWR: 1.4:1 min.
Polarization: Linear Vertical
Power Rating: 200 Watts avg., 800 Watts peak
H-Plane Beamwidth(-3 dB): 0° ±50°
H-Plane Beamwidth(-6 dB arc): 180° ±120°
E-Plane Beamwidth(-3dB): 8°
Cross Pol. Discrimination: 20 dB
Electrical Downtilt: 2°
Null Fill: -20 dB (1st Null)
Impedance: 50 ohms nominal
Termination: 7/16 DIN Female

Typical Mid band values. (For details, contact factory)

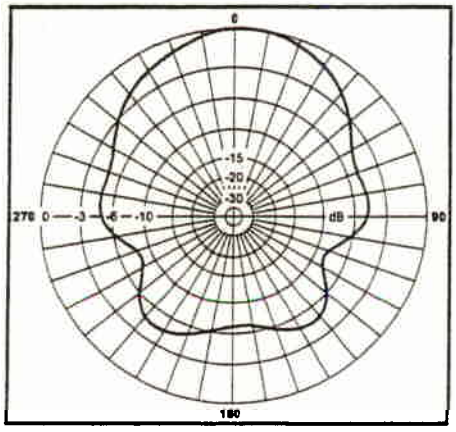
Mechanical Specifications

Length: 64 in. (1625 mm)
Diameter: 8 in. (203 mm)
Weight (Incl. Clamps): 49 lb. (22.3 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 148 lb. (67 kg)
Mounting Pipe: 1.75 - 4.0 in. (44.5 - 102 mm)

Materials

Radiating Elements: Tin-plated copper on PCB
Reflector: Irridited aluminum
Radome: Gray Fiberglass
Clamps: HDG steel

H-Plane



E-Plane